

1. Addition of Two Numbers

```
1 declare
2   a number;
3   b number;
4   c number;
5 begin
6   a:= &a;
7   b:= &b;
8   c:= a+b;
9   dbms_output.put_line('Sum of '|| a ||' and ' || b ||' is ' || c);
10* end;
```

```
SQL> /
Enter value for a: 20
old 6: a:= &a;
new 6: a:= 20;
Enter value for b: 30
old 7: b:= &b;
new 7: b:= 30;
```

Sum of 20 and 30 is 50

2. Sum of 100 Numbers

```
1 declare
2   a number;
3   s number default 0;
4 begin
5   a:=1;
6   loop
7     s:=s+a;
8     exit when(a=100);
9     a:=a+1;
10  end loop;
11  dbms_output.put_line('Sum of 100 numbers = '||s);
12* end;
```

SQL> /

Sum of 100 numbers = 5050

PL/SQL procedure successfully completed.

3. Sum of Odd Numbers using for loop

```
1 declare
2   n number;
3   sum1 number default 0;
4   endvalue number;
5 begin
6   endvalue:=&endvalue;
7   n:=1;
8   for n in 1..endvalue
9   loop
10    if mod(n,2)=1
11    then
12      sum1:=sum1+n;
13    end if;
14  end loop;
15  dbms_output.put_line(' sum = '||sum1);
16* end;
```

```
SQL> /
Enter value for endvalue: 30
old 6: endvalue:=&endvalue;
new 6: endvalue:=30;
```

```
sum = 225
```

PL/SQL procedure successfully completed.

4. Sum of 100 odd numbers using While loop

```
1 declare
2   n number;
3   endvalue number;
4   sum1 number default 0;
5 begin
6   endvalue:=&endvalue;
7   n:=1;
8   while(n<endvalue)
9   loop
10    sum1:=sum1+n;
11    n:=n+2;
12  end loop;
13  dbms_output.put_line('Sum of Odd numbers between 1 and '|| endvalue ||'
is '||sum1);
14 end;
15 /
```

Enter value for endvalue: 30
old 6: endvalue:=&endvalue;
new 6: endvalue:=30;
Sum of Odd numbers between 1 and 30 is 225

PL/SQL procedure successfully completed.

5. Greatest of Three Numbers

```
1 declare
2   a number;
3   b number;
4   c number;
```

```

5  d number;
6  begin
7  a:=&a;
8  b:=&b;
9  c:=&c;
10 if(a>b) and (a>c) then
11  dbms_output.put_line('A is greater ');
12 elsif (b>a) and (b>c) then
13  dbms_output.put_line(' B is Greater ');
14 else
15  dbms_output.put_line('C is Greater');
16 end if;
17* end;

```

SQL> /

Enter value for a: 20

old 8: a:=&a;

new 8: a:=20;

Enter value for b: 15

old 10: b:=&b;

new 10: b:=15;

Enter value for c: 3

old 12: c:=&c;

new 12: c:=3;

A is greater

PL/SQL procedure successfully completed.

6. Calculation of Net Salary

```

1 declare
2  ename varchar2(15);
3  basic number;
4  da number;
5  hra number;
6  pf number;
7  netsalary number;
8 begin
9  ename:=&ename;

```

```

10  basic:=&basic;
11  da:=basic*(65/100);
12  hra:=basic*(15/100);
13  if(basic<3000)
14      then
15          pf:=basic*(5/100);
16  elsif(basic >=3000 and basic <=5000)
17      then
18          pf:=basic*(7/100);
19  elsif (basic>=5000 and basic<=8000)
20      then
21          pf:=basic*(8/100);
22  else
23          pf:=basic*(10/100);
24  end if;
25  netsalary:=basic+da+hra+pf;
26  dbms_output.put_line('Employee Name : '|| ename);
27  dbms_output.put_line('Providend Fund : '|| pf);
28  dbms_output.put_line('Net Salary   : '|| netsalary);
29* end;
SQL> /
Enter value for ename: 'Ram'
old  9: ename:=&ename;
new  9: ename:='Ram';
Enter value for basic: 15000
old 10: basic:=&basic;
new 10: basic:=15000;

```

```

Employee Name : Ram
Providend Fund : 1500
Net Salary   : 28500
PL/SQL procedure successfully completed.

```

7. Factorial of a Number

```

1 declare

```

```
2  n number(2):=&dn;
3  fact number:=1;
4  begin
5    for i in 1..n
6      loop
7        fact:=fact*i;
8      end loop;
9    dbms_output.put_line('Factorial of ' || n || ' is ' || fact);
10* end;
```

SQL> /

Enter value for dn: 5

old 2: n number(2):=&dn;

new 2: n number(2):=5;

Factorial of 5 is 120

PL/SQL procedure successfully completed.

8. Fibonacci Series

```
1 declare
2   n number(2):=&dn;
3   a number:=-1;
4   b number:=1;
5   c number:=0;
6 begin
7   dbms_output.put_line('Fibonacci Series is : ');
8   for i in 1..n
9     loop
```

```

10    c:=a+b;
11    a:=b;
12    b:=c;
13    dbms_output.put_line(' '||c);
14  end loop;
15* end;

```

```

SQL> /
Enter value for dn: 5
old 2: n number(2):=&dn;
new 2: n number(2):=5;

```

Fibonacci Series is :

```

0
1
1
2
3

```

PL/SQL procedure successfully completed.

9. To find out whether the given number is a prime number or not.

```

1 declare
2   n number(3):=&dn;
3   prime number:=1;
4   r number;
5 begin
6   for i in 2..n-1
7   loop
8     r:=mod(n,i);
9     if r=0 then
10       prime:=0;

```

```

11     end if;
12     exit when prime=0;
13 end loop;
14 if prime=1 then
15     dbms_output.put_line(n || 'is a prime number');
16 else
17     dbms_output.put_line(n || 'is not a prime number');
18 end if;
19* end;

```

```

SQL> /
Enter value for dn: 6
old 2:   n number(3):=&dn;
new 2:   n number(3):=6;
6is not a prime number

```

PL/SQL procedure successfully completed.

```

SQL> set verify off
SQL> /
Enter value for dn: 8
8is not a prime number

```

PL/SQL procedure successfully completed.

10. To generate prime numbers upto N.

```

1 declare
2   n number(3):=&dn;
3   prime number;
4   r number;
5 begin
6   if n=0 then raise_application_error(-20002,'input zero_error');
7   end if;
8   <<outer_loop>>
9   for i in 1..n
10    loop
11      prime:=1;
12      <<inner_loop>>
13      for j in 2..i-1
14        loop
15          r:=mod(i,j);
16          if r=0 then
17            prime:=0;

```

```

18         end if;
19         exit when prime=0;
20     end loop inner_loop;
21     if prime=1 then
22         dbms_output.put_line(i);
23     end if;
24 end loop outer_loop;
25* end;
26 .

```

SQL> /

Enter value for dn: 9

1

2

3

5

7

PL/SQL procedure successfully completed.

SQL> /

Enter value for dn: 0

declare

*

ERROR at line 1:

ORA-20002: input zero_error

ORA-06512: at line 6

11.To count and print all the prime numbers between m and n.

```

1 declare
2     m number(3):=&dm;
3     n number(3):=&dn;
4     prime number;
5     r number;
6     pcount number:=0;
7 begin
8     <<outer_loop>>
9     for i in m..n
10    loop
11        prime:=1;
12        <<inner_loop>>
13        for j in 2..i-1
14        loop
15            r:=mod(i,j);
16            if r=0 then
17                prime:=0;
18            end if;
19            exit when prime=0;

```

```

20     end loop inner_loop;
21     if prime=1 then
22         dbms_output.put_line(i);
23         pcount:=pcount+1;
24     end if;
25 end loop outer_loop;
26 if pcount=0 then
27     dbms_output.put_line('no prime number between '||m||' and '||n);
28 else
29     dbms_output.put_line('total number of prime numbers between
'||m||' and '||n ||'is ' ||pcount);
30 end if;
31* end;
32 .

```

SQL> /

Enter value for dm: 5

Enter value for dn: 16

5

7

11

13

total number of prime numbers between 5 and 16 is 4

PL/SQL procedure successfully completed.

12. Creation of Simple PL/SQL Program which includes Declaration Section, Executable Section and Exception Handling Section.

SQL> desc student;

Name	Null?	Type
STUNO	NOT NULL	NUMBER(5)
STUNAME		VARCHAR2(10)
MARK1		NUMBER(5)
MARK2		NUMBER(5)
MARK3		NUMBER(5)

SQL> select *from student;

STUNO	STUNAME	MARK1	MARK2	MARK3
100	imran	52	63	30
200	bhaskar	45	60	88
300	basha	45	66	32
400	ashok	54	65	55

500	priyanka	74	66	50
600	harika	54	88	30
700	gowtham	98	66	31
800	shankar	66	35	88
900	vikram	36	35	31
1001	bhanu	68	35	32

10 rows selected.

```

1 declare
2     sno student.stuno %type:=&no;
3     sname student.stuname %type;
4     smark1 student.mark1 %type;
5     smark2 student.mark2 %type;
6     smark3 student.mark3 %type;
7     stotal number;
8     savg number;
9 begin
10    select stuno,stuname,mark1,mark2,mark3
        into sno,sname,smark1,smark2,smark3
        from student
11    where stuno=sno;
12    stotal:=smark1+smark2+smark3;
13    savg:=stotal/3;
14    if savg>=60 then
15        dbms_output.put_line('first class');
16    elsif savg >=40 then
17        dbms_output.put_line('second class');
18    else
19        dbms_output.put_line('fail');
20    end if;
21 exception
22    when no_data_found then
23        dbms_output.put_line('No records found');
24 end;
SQL> /
Enter value for no: 200
old 2: sno student.stuno %type:=&no;
new 2: sno student.stuno %type:=200;
first class

```

PL/SQL procedure successfully completed.

```

SQL> /
Enter value for no: 1001

```

```
old 2: sno student.stuno %type:=&no;
new 2: sno student.stuno %type:=1001;
second class
```

PL/SQL procedure successfully completed.

Enter value for no: 900

```
old 2: sno student.stuno %type:=&no;
new 2: sno student.stuno %type:=900;
fail
```

PL/SQL procedure successfully completed.

13. Finding Even or Odd using CASE (Selector)

```
1 declare
2   num number:=&dn;
3   r number;
4 begin
5   r:=mod(num,2);
6   case r
7     when 0 then
8       dbms_output.put_line(num||' is EVEN number');
9     else
10      dbms_output.put_line(num||' is ODD number');
11   end case;
12* end;
```

SQL> /

Enter value for dn: 7

```
old 2: num number:=&dn;
new 2: num number:=7;
```

7 is ODD number

PL/SQL procedure successfully completed.

```
SQL> /  
Enter value for dn: 2  
old 2: num number:=&dn;  
new 2: num number:=2;  
2 is EVEN number
```

14. Finding Even or Odd using CASE (without selector)

```
1 declare  
2   num number:=&dn;  
3   r number;  
4 begin  
5   case  
6     when mod(num,2)=0 then  
7       dbms_output.put_line(num||' is EVEN number');  
8     else  
9       dbms_output.put_line(num||' is ODD number');  
10  end case;  
11* end;  
SQL> /  
Enter value for dn: 4  
old 2: num number:=&dn;
```

```
new 2: num number:=4;
4 is EVEN number
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for dn: 5
old 2: num number:=&dn;
new 2: num number:=5;
5is ODD number
```

PL/SQL procedure successfully completed.

15. Arithmetic Calculator using CASE

```
1 declare
2     a number:=&a;
3     b number:=&b;
4     c number;
5     choice number:=&ch;
6     wrong_choice exception;
7 begin
8     case choice
9         when 1 then c:=a+b;
10         dbms_output.put_line('Addition of two numbers is '||c);
11         when 2 then c:=a-b;
12         dbms_output.put_line('Subtraction of two numbers is '||c);
13         when 3 then c:=a*b;
14         dbms_output.put_line('Multiplication is '||c);
15         when 4 then c:=a/b;
16         dbms_output.put_line('Division is '||c);
17         else
18             raise wrong_choice;
19     end case;
20 exception
21     when wrong_choice then
```

```

22      dbms_output.put_line('Please enter valid choice');
23* end;

```

```

SQL> /
Enter value for a: 1
old 2: a number:=&a;
new 2: a number:=1;
Enter value for b: 2
old 3: b number:=&b;
new 3: b number:=2;
Enter value for ch: 3
old 5: choice number:=&ch;
new 5: choice number:=3;

```

Multiplication is 2

PL/SQL procedure successfully completed.

```

SQL> /
Enter value for a: 4
old 2: a number:=&a;
new 2: a number:=4;
Enter value for b: 5
old 3: b number:=&b;
new 3: b number:=5;
Enter value for ch: 4
old 5: choice number:=&ch;
new 5: choice number:=4;

```

Division is 8

```

SQL> /
Enter value for a: 20
old 2: a number:=&a;
new 2: a number:=20;
Enter value for b: 30
old 3: b number:=&b;
new 3: b number:=30;
Enter value for ch: 5
old 5: choice number:=&ch;
new 5: choice number:=5;

```

Please enter valid choice

PL/SQL procedure successfully completed.

16. In-Built Exception and User Defined Exception

```
1 declare
2     sno student.stuno %type:=&no;
3     sname student.stuname %type;
4     smark1 student.mark1 %type;
5     smark2 student.mark2 %type;
6     smark3 student.mark3 %type;
7     stotal number;
8     savg number;
9     sres varchar(10);
10    fail_exc exception;
11 begin
12     select stuno,stuname,mark1,mark2,mark3
13     into sno,sname,smark1,smark2,smark3 from student
14     where stuno=sno;
15     stotal:=smark1+smark2+smark3;
16     savg:=stotal/3;
17     if savg>=60 then
18         sres:='First Class';
19     elsif savg>=50 then
```

```

20         sres:='Second Class';
21     elsif savg>=40 then
22         sres:='Third Class';
23     else
24         raise fail_exc;
25     end if;
26     insert into sresult values(sno,sname,smark1,smark2,smark3,stotal,sres);
27     commit;
28 exception
29     when no_data_found then
30         dbms_output.put_line('No records found');
31     when fail_exc then
32         dbms_output.put_line('Fail');
33* end;

```

SQL> /

Enter value for no: 001

old 2: sno student.stuno %type:=&no;

new 2: sno student.stuno %type:=001;

First Class

PL/SQL procedure successfully completed.

SQL> select * from sresult;

Sno	sname	smark1	smark2	smark3	stotal	sres
----	-----	-----	-----	-----	-----	-----
001	imran	70	85	70	225	First Class

17. Raise Application Error (1)

```
1 declare
2     dbalance bank.balance%type;
3     daccno bank.accno%type:=&ano;
4     wamount number(5):=&wamt;
5     temp number(5);
6     minamount exception;
7 begin
8 select accno,balance into daccno,dbalance from bank where accno=daccno;
9     temp:=dbalance-wamount;
10    if temp<500 then
11        raise minamount;
12    else
13        dbms_output.put_line('Eligible to Withdraw');
14    end if;
15 exception
16    when minamount then
17        raise_application_error(-20001,'Need Minimum Balance');
18* end;
```

```
SQL> /  
Enter value for ano: 102  
old 3: daccno bank.accno%type:=&ano;  
new 3: daccno bank.accno%type:=102;  
Enter value for wamt: 500  
old 4: wamount number(5):=&wamt;  
new 4: wamount number(5):=500;
```

Eligible to Withdraw

PL/SQL procedure successfully completed.

```
SQL> /  
Enter value for ano: 103  
old 3: daccno bank.accno%type:=&ano;  
new 3: daccno bank.accno%type:=103;  
Enter value for wamt: 600  
old 4: wamount number(5):=&wamt;  
new 4: wamount number(5):=600;  
declare  
*
```

```
ERROR at line 1:  
ORA-20001: Need minimum balance  
ORA-06512: at line 17
```

18. Raise Application Error (2)

```
1 declare
2     dbalance bank.balance%type;
3     daccno bank.accno%type:=&ano;
4     wamount number(5):=&wamt;
5     temp number(5);
6 begin
7     select accno,balance into daccno,dbalance from bank where accno=daccno;
8     temp:=dbalance-wamount;
9     if temp<500 then
10         raise_application_error(-20001,'Need Minimum Balance');
11     else
12         dbms_output.put_line('Eligible to Withdraw');
13     end if;
14 exception
15     when no_data_found then
16         dbms_output.put_line('Invalid Account Number');
17 end;
18 /
```

SQL>/

Enter value for ano: 103

old 3: daccno bank.accno%type:=&ano;

new 3: daccno bank.accno%type:=103;

Enter value for wamt: 600

old 4: wamount number(5):=&wamt;

new 4: wamount number(5):=600;

```
declare
```

```
*
```

```
ERROR at line 1:
```

```
ORA-20001: Need minimum balance
```

```
ORA-06512: at line 10
```

19. Cursor

```
SQL> declare
```

```

2      cursor c_stu is
3          select *from stu;
4          stdno stu.dno%type;
5          stdname stu.dname%type;
6          stdm1 stu.dm1%type;
7          stdm2 stu.dm2%type;
8          stdm3 stu.dm3%type;
9          stdtotal number;
10         stdavg number;
11         stdgrade varchar(5);
12 begin
13     open c_stu;
14     loop
15         fetch c_stu into stdno,stdname,stdm1,stdm2,stdm3;
16         exit when c_stu%notfound;
17         stdtotal:=stdm1+stdm2+stdm3;
18         stdavg:=stdtotal/3;
19         If stdavg>=70 then stdgrade:='Distinction';
20         elsif stdavg>=60 then stdgrade:='First Class';
21         elsif stdavg>=40 then stdgrade:='Second Class';
22         else stdgrade:='Fail';
23     end if;
24     insert into result
values(stdno,stdname,stdm1,stdm2,stdm3,stdtotal,stdavg,stdgrade);
25     end loop;
26     close c_stu;
27     commit;
28 end;
29 /
```

PL/SQL procedure successfully completed.

SQL> select *from result;

STDNO	STDNAME	STDM1	STDM2	STDM3	STDTOTAL	STDAVG	STDGR
101	rakesh	89	68	75	232	77	Distinction
102	ramu	58	64	55	177	59	Second Class
103	rohit	68	95	84	247	82	Distinction
104	ravi	68	75	74	217	72	Distinction
105	rajesh	40	42	28	110	37	Fail

20. Nested Cursor

```

1 declare
2     id number;
3     s number;
4     no number;
5     sal number;
6     cursor c1 is select empid,sum(hours) from works
7         group by empid;
8     cursor c2 is select empid,salary from empl;
9 begin
10    open c1;
11    loop
12        fetch c1 into id,s;
13        exit when c1%notfound;
14        for r_c2 in c2
15            loop
16                if id=r_c2.empid then
17                    sal:=s*100;
18                    update empl set salary=r_c2.salary +sal where empid=id;
19                    dbms_output.put_line('Record Successfully Updated');
20                    end if;
21                end loop;
22            end loop;
23        close c1;
24*   end;
```

```

SQL> /
Record Successfully Updated
Record Successfully Updated
Record Successfully Updated
Record Successfully Updated
Record Successfully Updated
Record Successfully Updated
Record Successfully Updated
```

PL/SQL procedure successfully completed.

SQL> select * from empl;

EMPID	NAME	ADDRESS	SALARY	AGE
-----	-----	-----	-----	-----
100	imran	bangalore	5000	24
101	basha	kuppam	6000	25
102	ashok	tirupathi	8000	23
103	gowtham	chittoor	7750	25
104	harika	nellore	7300	24
105	krithika	bangalore	11200	26
106	priyanka	hyderabad	6660	22
107	manoj	kuppam	7450	23
108	arun	chennai	6500	24
109	mouli	bangalore	6540	22

10 rows selected.

Updated Records

SQL> select * from empl;

EMPID	NAME	ADDRESS	SALARY	AGE
-----	-----	-----	-----	-----
100	imran	bangalore	5000	24
101	basha	kuppam	7500	25
102	ashok	tirupathi	9500	23
103	gowtham	chittoor	8950	25
104	harika	nellore	8100	24
105	krithika	bangalore	12800	26
106	priyanka	hyderabad	8760	22
107	manoj	kuppam	8450	23
108	arun	chennai	6500	24
109	mouli	bangalore	6540	22

10 rows selected.

21. Finding Even or Odd using Case Expression

```
1 declare
2     num number:=&da;
3     num_type varchar(20);
4 begin
5     num_type:=
6     case
7         when mod(num,2)=0 then num||' is Even'
8         else num||' is Odd'
9     end;
10    dbms_output.put_line('The Given Number '||num_type);
11 end;
```

SQL> /

Enter value for da: 4

old 2: num number:=&da;

new 2: num number:=4;

The Given Number 4 is Even

PL/SQL procedure successfully completed.

SQL> /

Enter value for da: 3

old 2: num number:=&da;

new 2: num number:=3;

The Given Number 3 is Odd

PL/SQL procedure successfully completed

22. Displaying the Result using Case Expression

```

SQL> declare
2      sno student.stuno %type:=&no;
3      sname student.stuname %type;
4      smark1 student.mark1 %type;
5      smark2 student.mark2 %type;
6      smark3 student.mark3 %type;
7      stotal number;
8      savg number;
9      sres varchar(10);
10     fail_exc exception;
11     begin
12         select stuno,stuname,mark1,mark2,mark3
13         into sno,sname,smark1,smark2,smark3 from student
14         where stuno=sno;
15         stotal:=smark1+smark2+smark3;
16         savg:=stotal/3;
17     sres:=
18         case
19         when savg>=90 then 'HONOUR'
20         when savg>=70 then 'DISTINCTION'
21         when savg>=60 then 'FIRST'
22         when savg>=40 then 'SECOND'
23         else 'NOT ELIGIBLE'
24         end;
25         insert into sresult
values(sno,sname,smark1,smark2,smark3,stotal,sres);
26         dbms_output.put_line('Record Inserted Successfully');
27         commit;
28     exception
29         when no_data_found then
30             dbms_output.put_line('No records found');
31         when fail_exc then
32             dbms_output.put_line('he/she is fail');
33     end;

```

```
SQL> /  
Enter value for no: 200  
Record Inserted Successfully
```

PL/SQL procedure successfully completed.

```
SQL> select * from sresult;
```

STUNO	STUNAME	MARK1	MARK2	MARK3	TOTAL	RESULT
200	satish	45	60	88	193	FIRST

23. Displaying the result using Case Statement

```
declare
    sno student.stuno %type:=&no;
    sname student.stuname %type;
    smark1 student.mark1 %type;
    smark2 student.mark2 %type;
    smark3 student.mark3 %type;
    stotal number;
    savg number;
    sres varchar(10);
    fail_exc exception;
begin
    select stuno,stuname,mark1,mark2,mark3
        into sno,sname,smark1,smark2,smark3 from student
        where stuno=sno;
    stotal:=smark1+smark2+smark3;
    savg:=stotal/3;
case
    when savg>=60 then
        sres:='FIRST';
    when savg>=50 then
        sres:='SECOND';
    when savg>=40 then
        sres:='THIRD';
    else
        raise fail_exc;
    end case;
insert into sresult values(sno,sname,smark1,smark2,smark3,stotal,sres);
dbms_output.put_line('Record Inserted Successfully');
commit;
exception
    when no_data_found then
        dbms_output.put_line('No Records Found');
    when fail_exc then
        dbms_output.put_line('He/She is Fail');
end;
```

```
SQL> /
Enter value for no: 200
old 2:          sno student.stuno %type:=&no;
new 2:          sno student.stuno %type:=200;
```

Record Inserted Successfully

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for no: 700
old 2:          sno student.stuno %type:=&no;
new 2:          sno student.stuno %type:=700;
```

Record Inserted Successfully

PL/SQL procedure successfully completed.

```
SQL> SELECT * FROM SRESULT;
```

STUNO	STUNAME	MARK1	MARK2	MARK3	TOTAL	RESULT
200	satish	45	60	88	193	FIRST
700	vishnu	98	66	31	195	FIRST

24. Gcd Of Two Numbers Using While

```

1 declare
2   u number:=&du;
3   v number:=&dv;
4   temp number;
5 begin
6   if u<v then
7     temp:=u;
8     u:=v;
9     v:=temp;
10  end if;
11  while v!=0
12  loop
13    temp:=mod(u,v);
14    u:=v;
15    v:=temp;
16  end loop;
17  dbms_output.put_line('The GCD of Two numbers is '||u);
18 end;
```

```

SQL> /
Enter value for du: 8
old 2: u number:=&du;
new 2: u number:=8;
Enter value for dv: 6
old 3: v number:=&dv;
new 3: v number:=6;
```

The GCD of Two numbers is 2

PL/SQL procedure successfully completed.

25. Find the Biggest of Three Numbers Using NESTED IF

```

SQL> declare
```

```

2    a number:=&a;
3    b number:=&b;
4    c number:=&c;
5  begin
6    if a>b and a>c then
7      dbms_output.put_line('A is Big');
8  else
9    if b>c and b>a then
10     dbms_output.put_line('B is Big');
11  else
12     dbms_output.put_line('C is Big');
13  end if;
14 end if;
15 end;
16 /

```

```

Enter value for a: 10
old 2: a number:=&a;
new 2: a number:=10;
Enter value for b: 20
old 3: b number:=&b;
new 3: b number:=20;
Enter value for c: 30
old 4: c number:=&c;
new 4: c number:=30;
C is Big

```

PL/SQL procedure successfully completed.

```

SQL> /
Enter value for a: 50
old 2: a number:=&a;
new 2: a number:=50;
Enter value for b: 10
old 3: b number:=&b;
new 3: b number:=10;
Enter value for c: 20
old 4: c number:=&c;
new 4: c number:=20;
A is Big

```

PL/SQL procedure successfully completed.