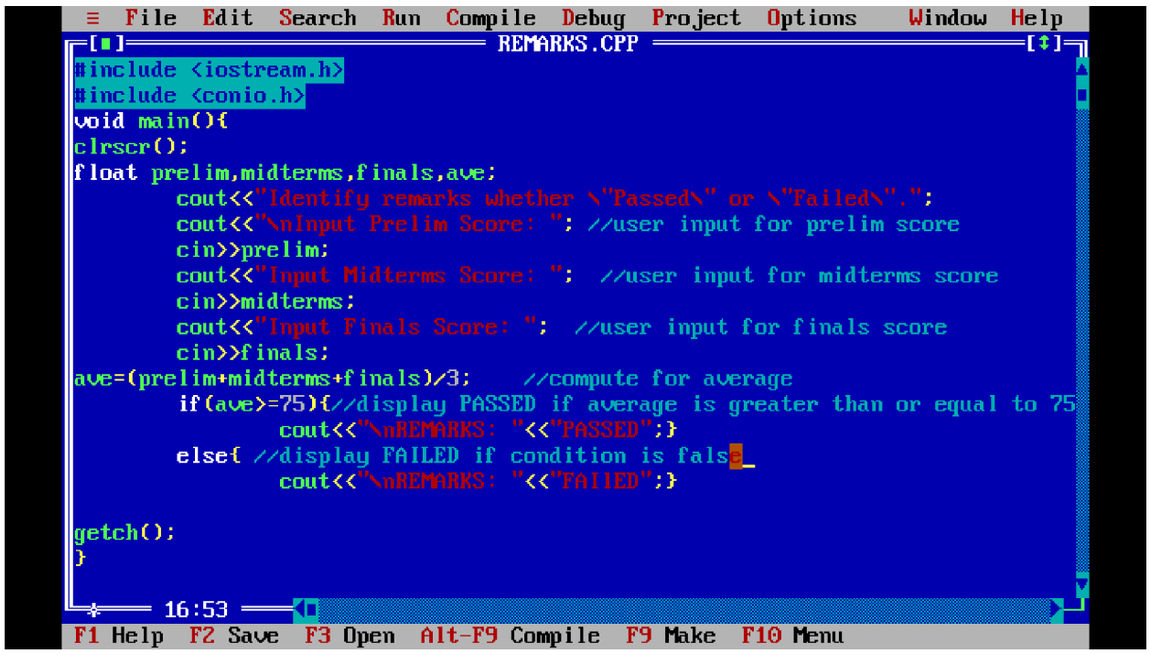
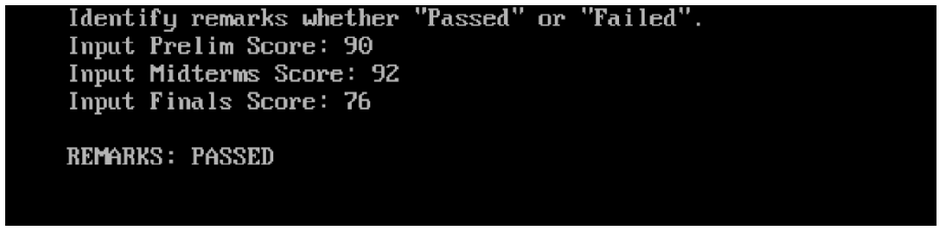
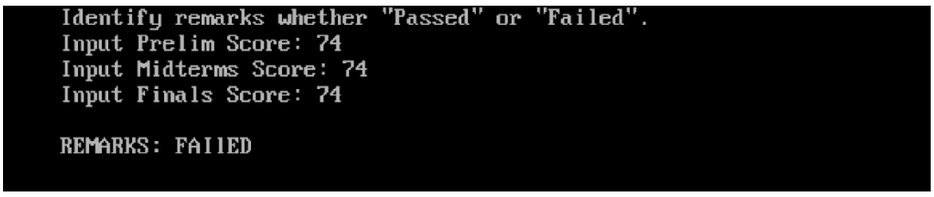
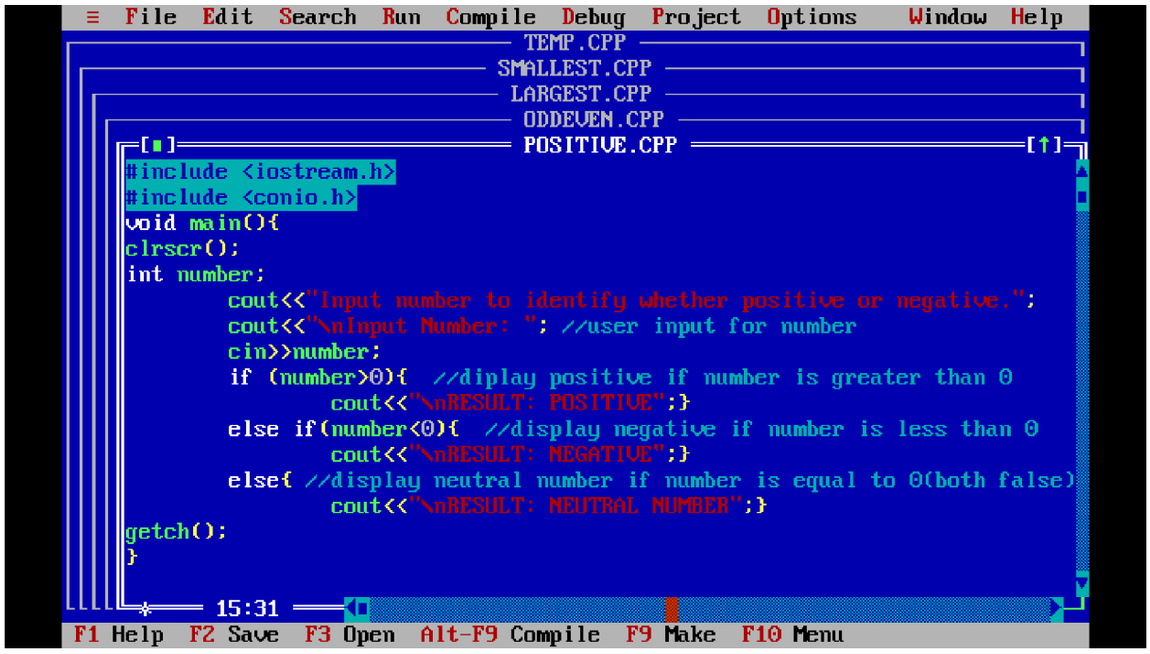
1. Revise your Grade flowchart in Sequence constructs by identifying the remarks whether the average grade is Passed or Failed. If average is greater than or equal to 75 then passed else failed.

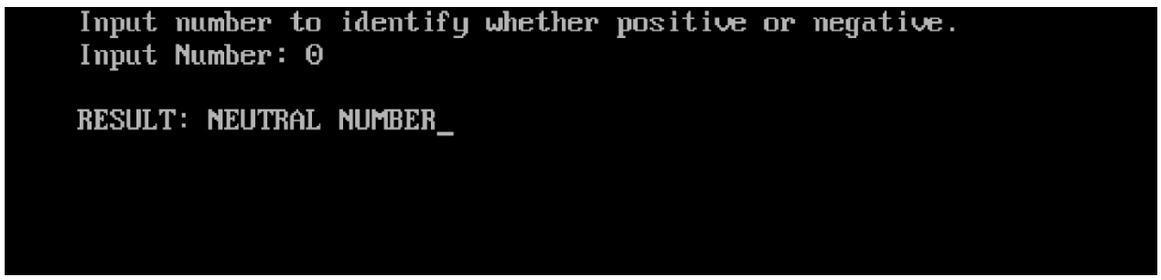


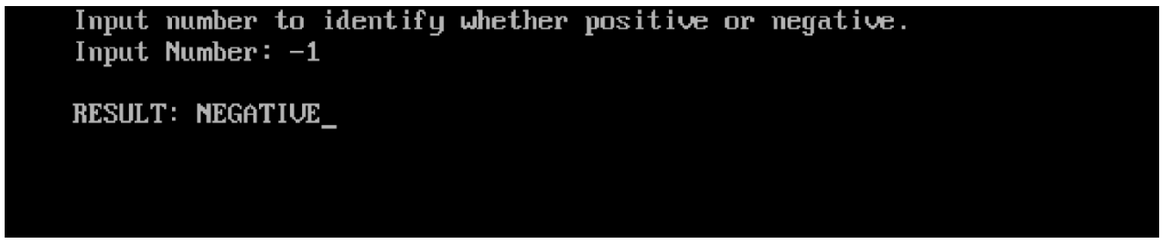




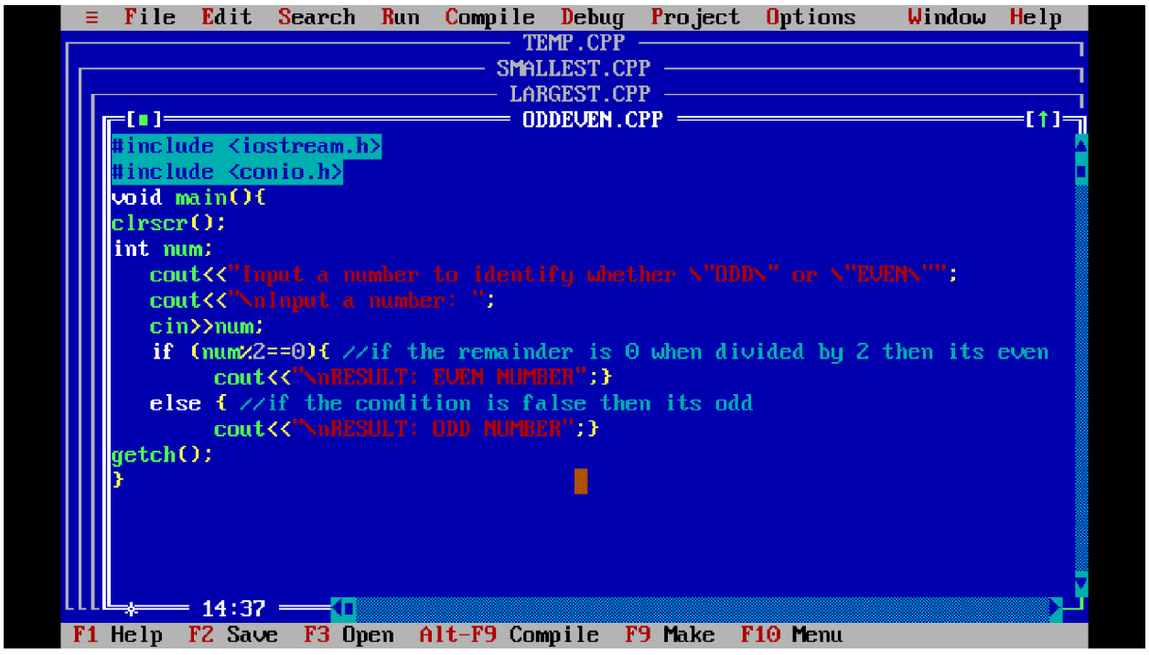
2. Create a flowchart that will input for a number then identify whether the number is positive or negative.

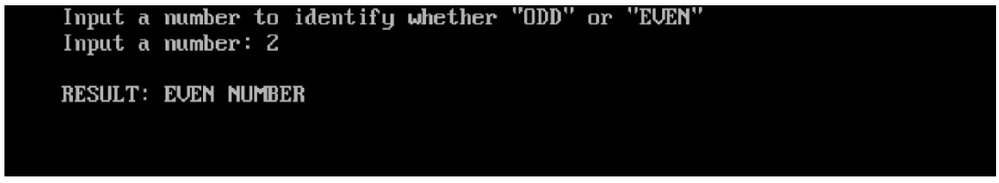


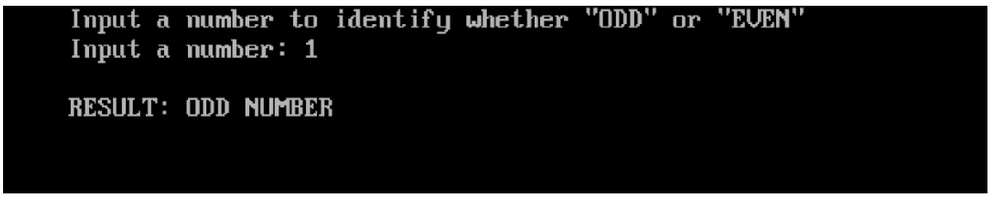




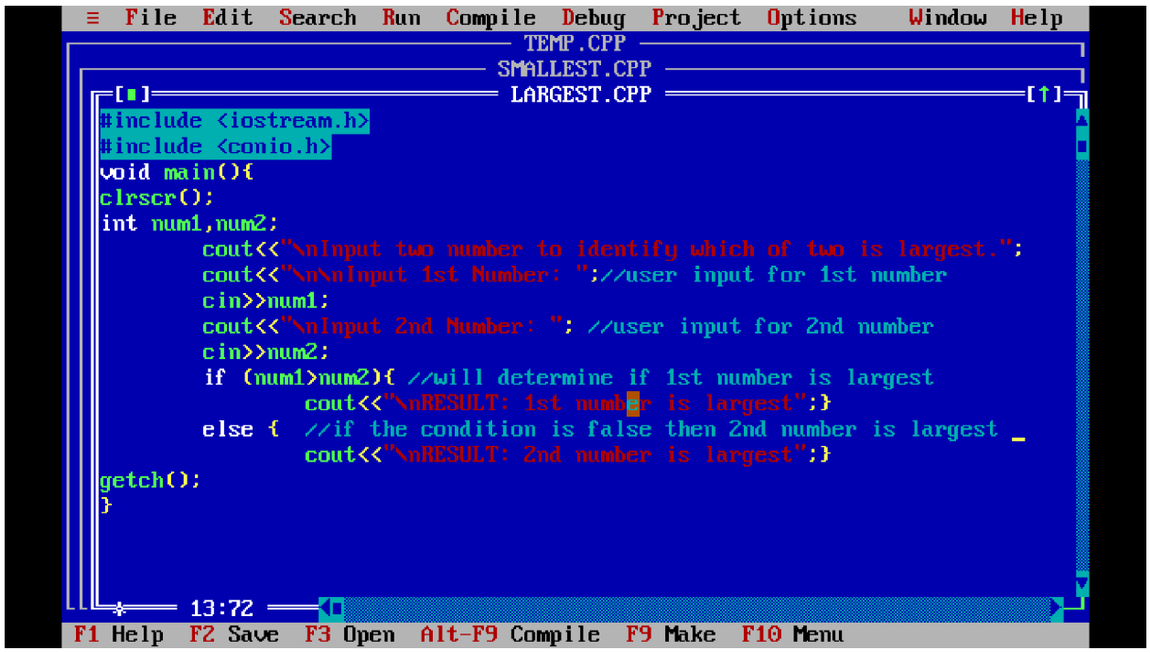
3. Create a flowchart that will input for a number then identify whether odd or even number.

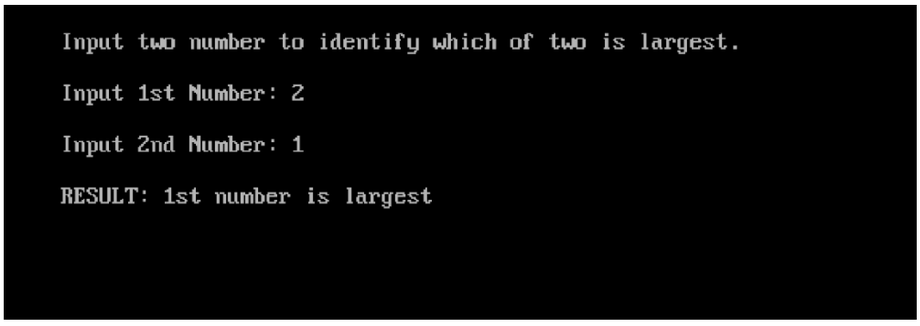


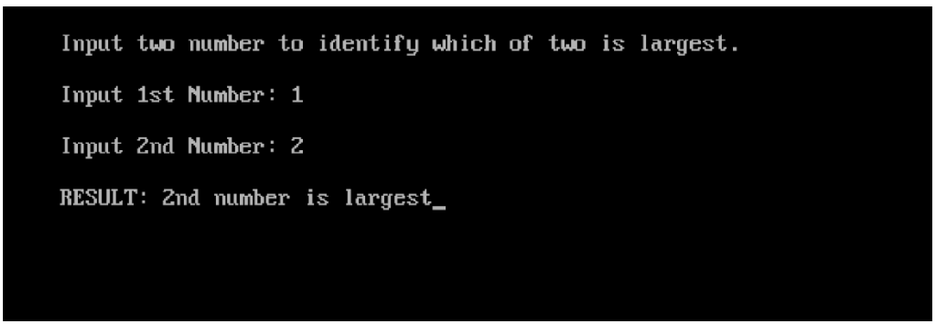




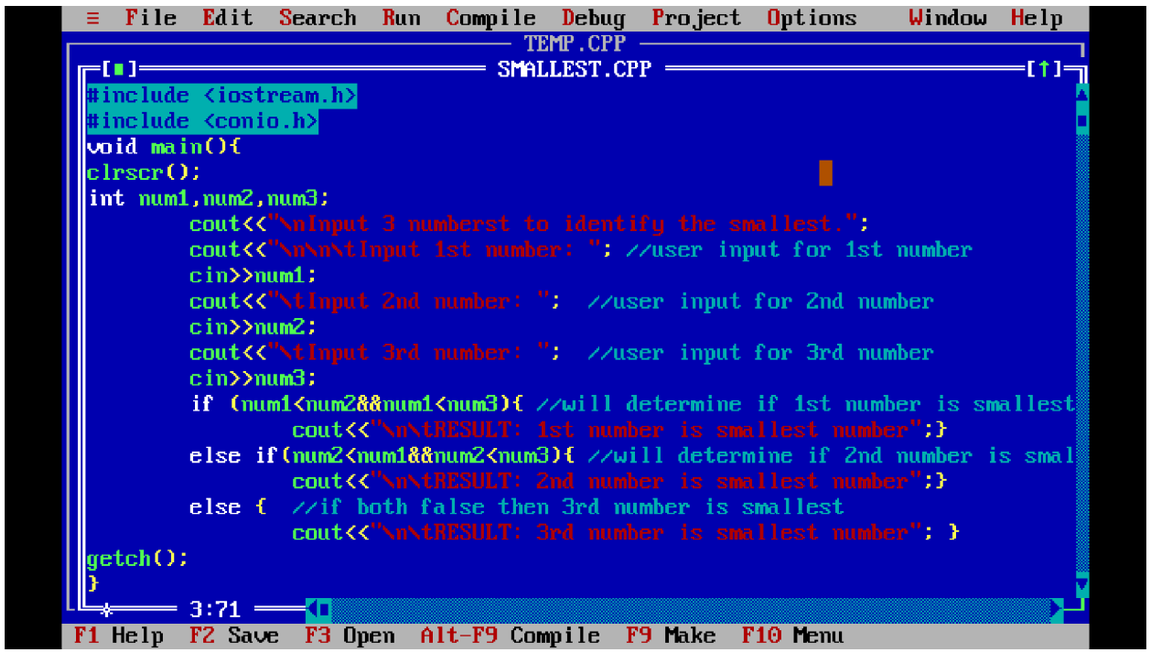
4. Create a flowchart that will input for 2 numbers then identify which of the two is the largest.

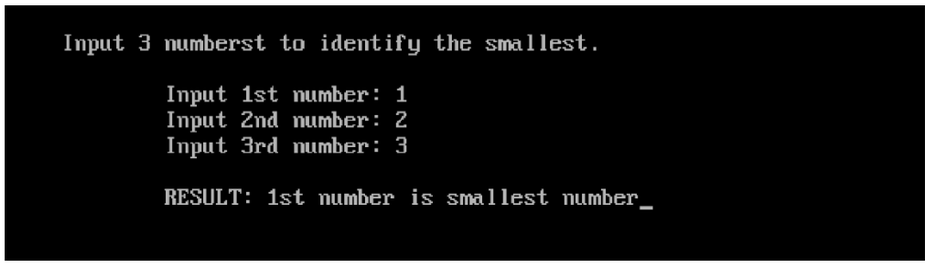


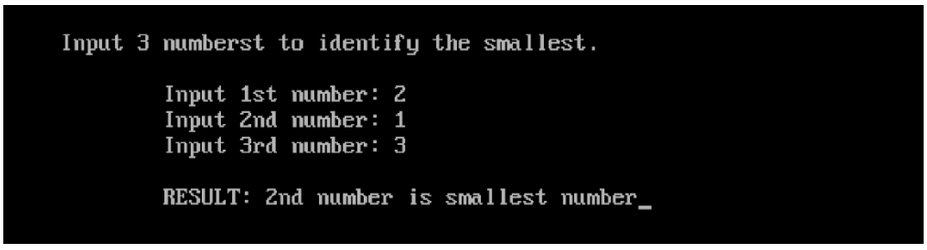


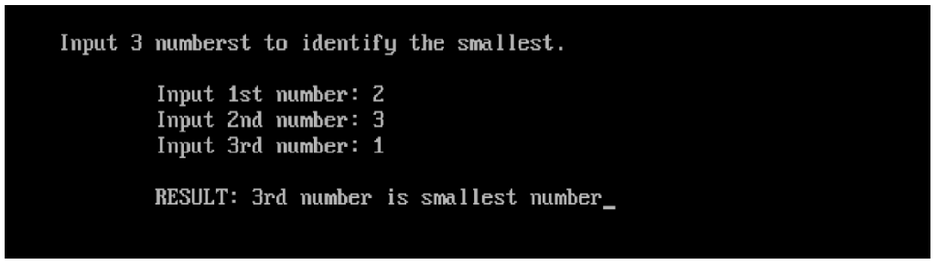


5. Create a flowchart that will input 3 numbers then identify the smallest.









6. Revise exercise #1 in selection problems by determining the equivalent grade of the computed average: 97-100= 1.0, 94-96= 1.25, 91-93= 1.5, 88-90= 1.75, 86-88= 2.0, 82-84= 2.25, 79-81= 2.5, 76-78= 2.75, 75= 3.0 else 5.0

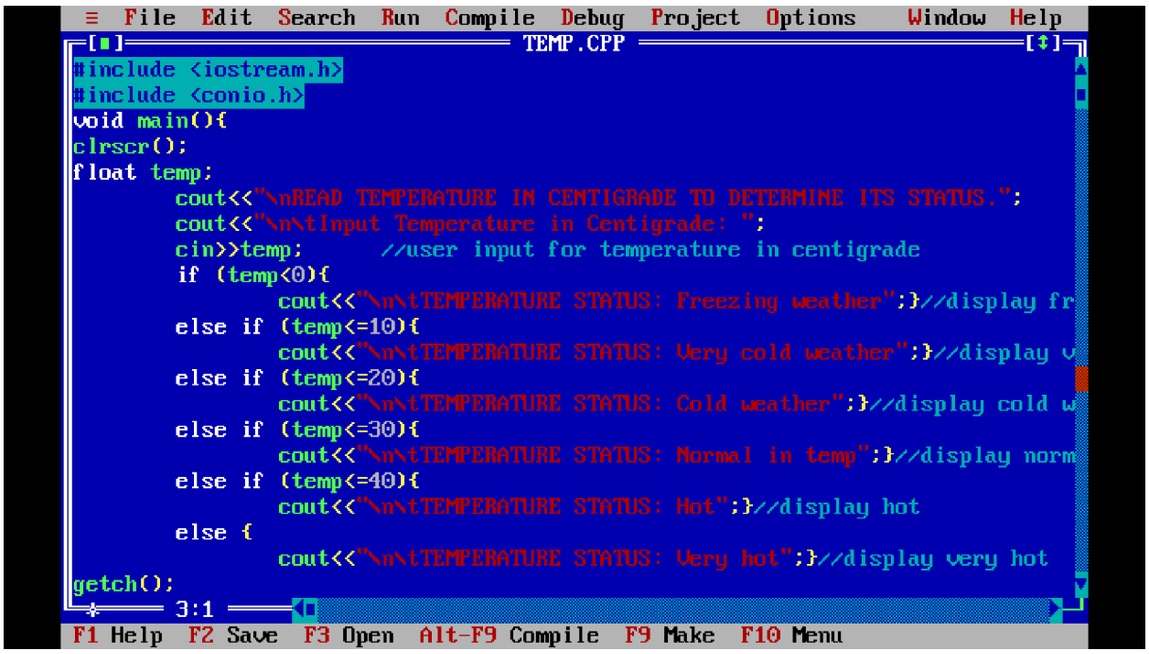
```
≡ File  Edit  Search  Run  Compile  Debug  Project  Options    Window  Help
                              GRADES.CPP
#include <iostream.h>
#include <conio.h>
void main(){
clrscr();
float prelim,midterm,final,ave; //variables used
        cout<<"\nINPUT SCORES AND DETERMINE THE EQUIVALENT COMPUTED AVERAGE";
        cout<<"\n\tInput Prelim Score: ";  //user input for prelim score
        cin>>prelim;
        cout<<"\tInput Midterm Score: ";  //user input for midterm score
        cin>>midterm;
        cout<<"\tInput Finals Score: ";   //user input for finals score
        cin>>final;
ave=(prelim+midterm+final)/3;    //compute fo average
        if (ave>=97){
                cout<<"\n\tCOMPUTED AVERAGE: 1.0";}   //display "1.0"
        else if (ave>=94){
                cout<<"\n\tCOMPUTED AVERAGE: 1.25";}  //display "1.25"
        else if (ave>=91){
                cout<<"\n\tCOMPUTED AVERAGE: 1.5";}   //display "1.5"
        else if (ave>=88){
                cout<<"\n\tCOMPUTED AVERAGE: 1.75";}   //display "1.75"
        else if (ave>=86){
                cout<<"\n\tCOMPUTED AVERAGE: 2.0";}    //display "2.0"
        else if (ave>=82){
                cout<<"\n\tCOMPUTED AVERAGE: 2.25";}  //display "2.25"
        else if (ave>=79){
                cout<<"\n\tCOMPUTED AVERAGE: 2.5";}   //display "2.5"
        else if (ave>=76){
                cout<<"\n\tCOMPUTED AVERAGE: 2.75";}   //display "2.75"
        else if (ave>=75){
                cout<<"\n\tCOMPUTED AVERAGE: 3.0";}   //display "3.0"
        else{
                cout<<"\n\tCOMPUTED AVERAGE: 5.0";}   //display "5.0"
getch();
}
                35:70
F1 Help  F2 Save  F3 Open  Alt-F9 Compile  F9 Make  F10 Menu
```

```
INPUT SCORES AND DETERMINE THE EQUIVALENT COMPUTED AVERAGE
        Input Prelim Score: 98
        Input Midterm Score: 99
        Input Finals Score: 97

        COMPUTED AVERAGE: 1.0
```

```
INPUT SCORES AND DETERMINE THE EQUIVALENT COMPUTED AVERAGE
        Input Prelim Score: 90
        Input Midterm Score: 92
        Input Finals Score: 94

        COMPUTED AVERAGE: 1.5
```

```
INPUT SCORES AND DETERMINE THE EQUIVALENT COMPUTED AVERAGE
        Input Prelim Score: 74
        Input Midterm Score: 75
        Input Finals Score: 73

        COMPUTED AVERAGE: 5.0
```

7. Create a flowchart to read temperature in centigrade and display a suitable message according to the temperature state below: Temp < 0 then Freezing weather, Temp 0-10 then Very Cold weather, Temp 10-20 then Cold weather, Temp 20-30 then Normal in Temp, Temp 30-40 then Its Hot, Temp >=40 then Its Very Hot.




```
READ TEMPERATURE IN CENTIGRADE TO DETERMINE ITS STATUS.
        Input Temperature in Centigrade: -1

        TEMPERATURE STATUS: Freezing weather
```

```
READ TEMPERATURE IN CENTIGRADE TO DETERMINE ITS STATUS.
        Input Temperature in Centigrade: 1

        TEMPERATURE STATUS: Very cold weather_
```

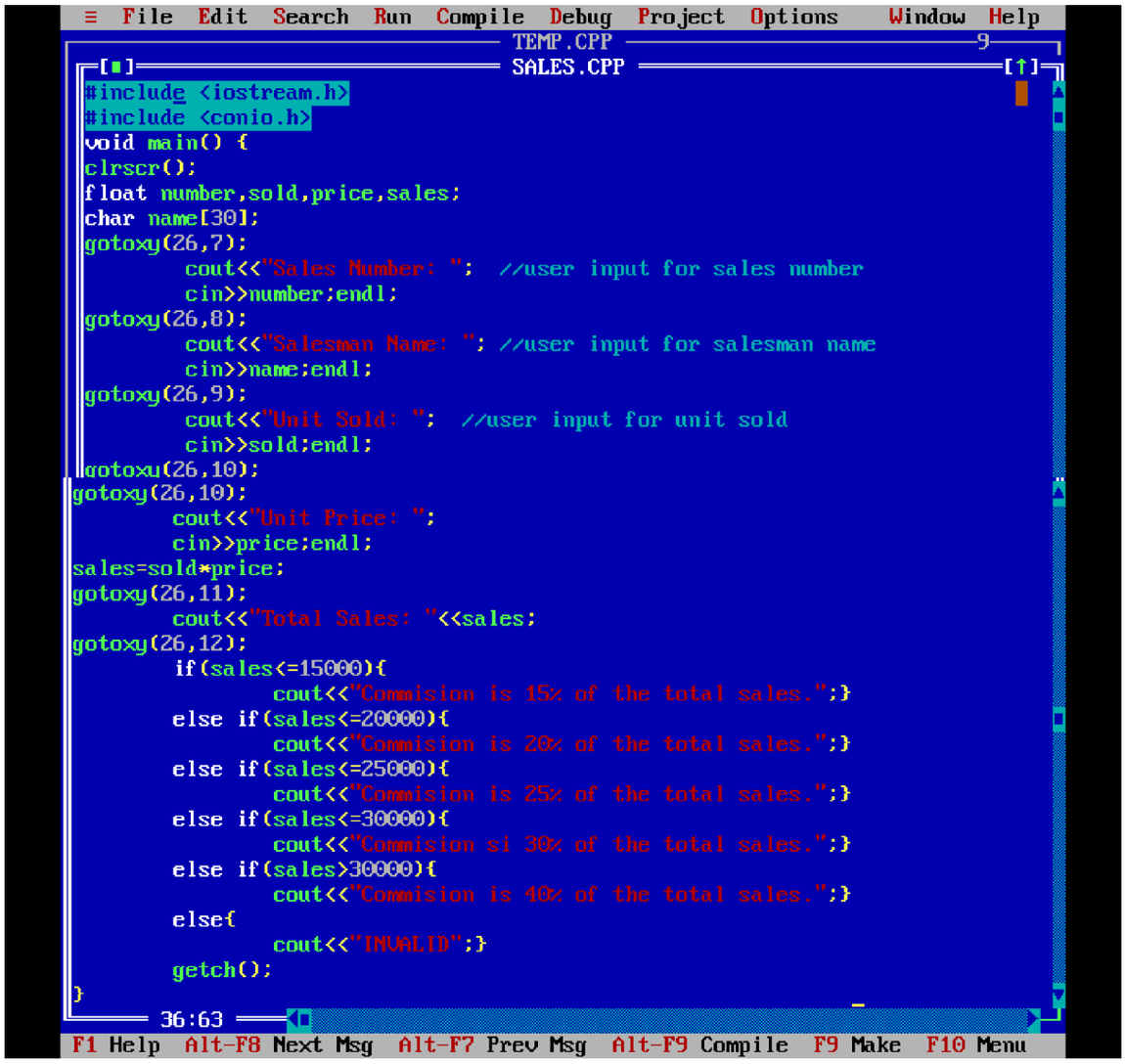
```
READ TEMPERATURE IN CENTIGRADE TO DETERMINE ITS STATUS.
        Input Temperature in Centigrade: 11

        TEMPERATURE STATUS: Cold weather_
```

```
READ TEMPERATURE IN CENTIGRADE TO DETERMINE ITS STATUS.
        Input Temperature in Centigrade: 21

        TEMPERATURE STATUS: Normal in temp
```

```
READ TEMPERATURE IN CENTIGRADE TO DETERMINE ITS STATUS.
        Input Temperature in Centigrade: 39

        TEMPERATURE STATUS: Hot
```

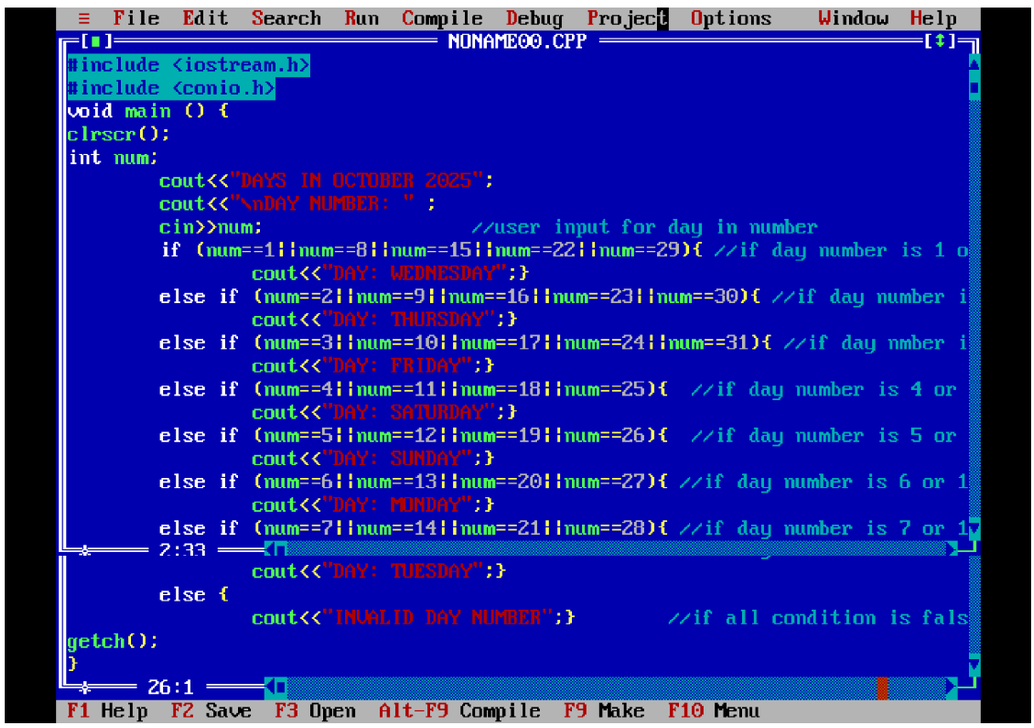
```
READ TEMPERATURE IN CENTIGRADE TO DETERMINE ITS STATUS.
        Input Temperature in Centigrade: 41

        TEMPERATURE STATUS: Very hot_
```

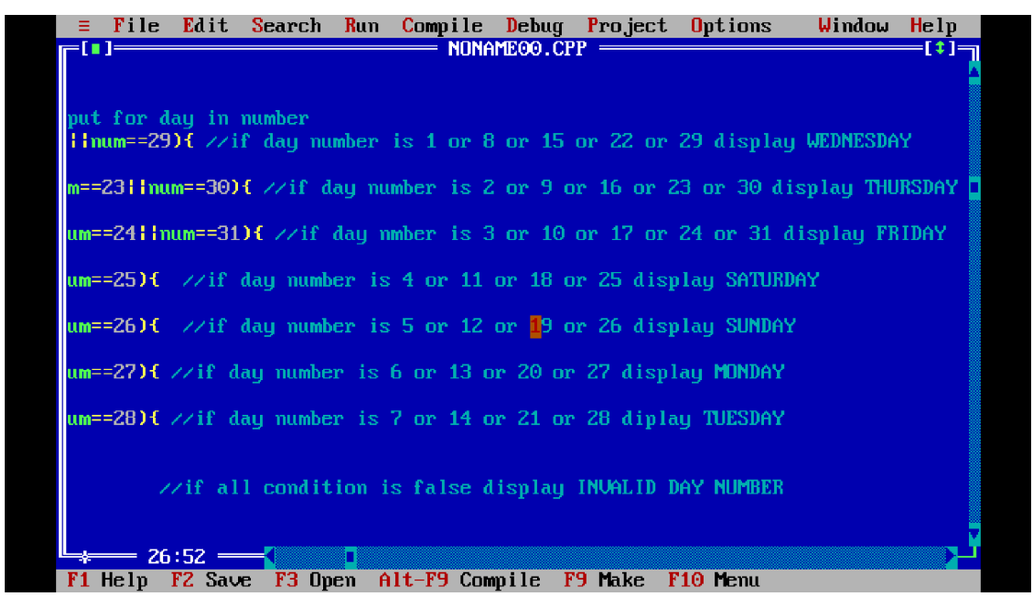
8. Revise your Sales problem in Sequence constructs by computing and displaying the sales commission base the given below: Sales<=15000, Commission is 15% of the total sales Sales<=20000, 20% Sales<=25,000, 25% Sales<=30,000, 30% Sales>30,000, 40%.



```
Sales Number: 2
Salesman Name: mayor
Unit Sold: 14
Unit Price: 20000
Total Sales: 280000
Commision is 40% of the total sales.
```

9. Create a flowchart to read any day number in integer and display the day name in word format.






```
DAYS IN OCTOBER 2025
DAY NUMBER: 1
DAY: WEDNESDAY_
```

```
DAYS IN OCTOBER 2025
DAY NUMBER: 5
DAY: SUNDAY_
```

```
DAYS IN OCTOBER 2025
DAY NUMBER: 2
DAY: THURSDAY_
```

```
DAYS IN OCTOBER 2025
DAY NUMBER: 6
DAY: MONDAY_
```

```
DAYS IN OCTOBER 2025
DAY NUMBER: 3
DAY: FRIDAY
```

```
DAYS IN OCTOBER 2025
DAY NUMBER: 7
DAY: TUESDAY_
```

```
DAYS IN OCTOBER 2025
DAY NUMBER: 4
DAY: SATURDAY
```

```
DAYS IN OCTOBER 2025
DAY NUMBER: 32
INVALID DAY NUMBER
```

9. Create a flowchart to read any day number in integer and display the day name in word format.

```
≡ File  Edit  Search  Run  Compile  Debug  Project  Options    Window  Help
[■]═══════════ DAYNUM.CPP ═══════════[↕]
#include <iostream.h>
#include <conio.h>
void main (){
clrscr();
int num;
   cout<<"DAY NUMBER IN A WEEK";
   cout<<"\nDAY NUMBER: ";
   cin>>num;              //user input for day number
   if (num==1){
        cout<<"DAY: MONDAY";}  //display MONDAY if inputted number is 1
   else if(num==2){
        cout<<"DAY: TUESDAY";} //display TUESDAY if inputted number is 2
   else if(num==3){
        cout<<"DAY: WEDNESDAY";}//display WEDNESDAY if inputted number is 3
   else if (num==4){
        cout<<"DAY: THURSDAY";}//display THURSDAY if inputted number is 4
   else if (num==5){
        cout<<"DAY: FRIDAY";} //display FRIDAY if inputted number is 5
   else if(num==6){
        cout<<"DAY: SATURDAY";}//display SATURDAY if inputted number is 6
   else if (num==7){
        cout<<"DAY: SUNDAY";} //display SUNDAY if inputted number is 7
   else {    //if all conditions is false print INVALID DAY NUMBER
        cout<<"INVALID DAY NUMBER";}
getch();
}
═══ 9:9 ═══
F1 Help  Alt-F8 Next Msg  Alt-F7 Prev Msg  Alt-F9 Compile  F9 Make  F10 Menu
```

```
DAY NUMBER IN A WEEK
DAY NUMBER: 1
DAY: MONDAY
```

```
DAY NUMBER IN A WEEK
DAY NUMBER: 5
DAY: FRIDAY_
```

```
DAY NUMBER IN A WEEK
DAY NUMBER: 2
DAY: TUESDAY
```

```
DAY NUMBER IN A WEEK
DAY NUMBER: 6
DAY: SATURDAY
```

```
DAY NUMBER IN A WEEK
DAY NUMBER: 3
DAY: WEDNESDAY
```

```
DAY NUMBER IN A WEEK
DAY NUMBER: 7
DAY: SUNDAY_
```

```
DAY NUMBER IN A WEEK
DAY NUMBER: 4
DAY: THURSDAY
```

```
DAY NUMBER IN A WEEK
DAY NUMBER: 8
INVALID DAY NUMBER
```

10. Write a flowchart to check whether an alphabet is a vowel or a consonant.

VOWEL(selectio...
/storage/emulated/0...

E NUMBER(loop)* new* VOWEL(selection)* new

```
1  #include <iostream>
2  using namespace std;
3  int main(){
4     char n;
5     cout<<"IDENTIFY LETTER WHETHER
   \"VOWEL\" or \"CONSONANT\""<<"\n";
6     cout<<"\tINSERT LETTER: ";
7     cin>>n;  //user input
8     if /*any letter inside the condition is vowel*/
   (n=='a'||n=='e'||n=='i'||n=='o'||n=='u'||n=='A'||n=='
   E'||n=='I'||n=='O'||n=='U'){
9        cout<<"\tRESULT: Vowel";}
10    else {
11       cout<<"\tRESULT: Consonant";}
12    return 0;
13    }
```

TAB

```
IDENTIFY LETTER WHETHER "VOWEL" or "CONSONANT"
        INSERT LETTER: a
        RESULT: Vowel
[Program finished]
```

TAB

```
IDENTIFY LETTER WHETHER "VOWEL" or "CONSONANT"
        INSERT LETTER: A
        RESULT: Vowel
[Program finished]
```

TAB

```
IDENTIFY LETTER WHETHER "VOWEL" or "CONSONANT"
        INSERT LETTER: b
        RESULT: Consonant
[Program finished]
```