

Informatics Practice (065)

Class XII

1. Consider the database table **Employee** given below and answer the questions

empno	ename	job	mgr	hiredate	sal	comm	deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10
7935	Den	Manager	7566	2000-04-03	5000.00	600.00	10

- i. What is the degree and cardinality of Employee table
 - a) Degree-8, Cardinality-16
 - b) Degree-15, Cardinality-8
 - c) Degree-8, Cardinality-15
 - d) Degree-16, Cardinality-8
- ii. Correct query for deleting all employees whose COMM column value is NULL
 - a) delete from employee where comm=NULL
 - b) drop from employee where comm=NULL
 - c) delete from employee where comm IS NULL
 - d) drop from employee where comm=NULL
- iii. Predict the output for the following query
 select max(hiredate) from emp where job='Clerk'
 - a) 2000-04-03
 - b) 1983-01-12
 - c) 1980-12-17
 - d) 1981-12-03
- iv. Predict the output for the following query
 select count(comm) from emp
 - a) 8
 - b) 5
 - c) 15
 - d) 16
- v. Predict the output for the following query
 select min(ename) from emp
 - a) Den
 - b) WARD
 - c) ADAMS
 - d) ALLEN

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2. Consider the database table **Employee** given below and answer the questions

empno	ename	job	mgr	hiredate	sal	comm	deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
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7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10
7935	Den	Manager	7566	2000-04-03	5000.00	600.00	10

- vi. What is the degree and cardinality of Employee table

- e) Degree-8, Cardinality-16
- f) Degree-15, Cardinality-8
- g) Degree-8, Cardinality-15
- h) Degree-16, Cardinality-8

Ans:- c) Degree-8, Cardinality-15

- vii. Correct query for deleting all employees whose COMM column value is NULL

- e) delete from employee where comm=NULL
- f) drop from employee where comm=NULL
- g) delete from employee where comm IS NULL
- h) drop from employee where comm=NULL

Ans:-c) delete from employee where comm IS NULL

- viii. Predict the output for the following query

select max(hiredate) from emp where job='Clerk'

- e) 2000-04-03
- f) 1983-01-12
- g) 1980-12-17
- h) 1981-12-03

Ans: b) 1983-01-12

- ix. Predict the output for the following query

select count(comm) from emp

- e) 8
- f) 5
- g) 15

h) 16

Ans: b) 5

x. Predict the output for the following query
select min(ename) from emp

- e) Den
- f) WARD
- g) ADAMS
- h) ALLEN

Ans:- ADAMS