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B-Tech. CSE II Yr.

Sec: F (17)

Uni Roll: 201500160

Sub: DBMS Lab

Code: BCSC 0802



Assignment No. 6

Submitted to:

Prof. Nikhil Govil

Ques 1

1. alter table Student add (DoB date);

| |
|---------------|
| table altered |
|---------------|

2. update student set Dob = '26-Jun-96' where sId = 123;
update student set Dob = '07-Apr-95' where sId = 234;
update student set Dob = '04-Feb-95' where sId = 345;
update student set Dob = '24-Jul-97' where sId = 456;
update student set Dob = '21-Dec-96' where sId = 567;
update student set Dob = '27-Aug-96' where sId = 678;
update student set Dob = '08-Oct-96' where sId = 789;
update student set Dob = '27-Mar-97' where sId = 987;
update student set Dob = '07-Mar-96' where sId = 876;
update student set Dob = '08-Aug-98' where sId = 765;
update student set Dob = '26-May-96' where sId = 654;
update student set Dob = '27-Aug-98' where sId = 543;

| |
|--------------------|
| 12 row(s) updated. |
|--------------------|

3. select round(avg(GPA),2) from student;

| ROUND(AVG(GPA),2) |
|-------------------|
| 3.57 |

4. select extract(year from DoB) from student where sizeHS < 1000;

| EXTRACT(YEARFROMDOB) |
|----------------------|
| 1995 |
| 1996 |
| 1996 |
| 1997 |
| 1996 |

5. select floor((sysdate - DoB)/365) as Age from student, Dual;

| AGE |
|-----|
| 25 |
| 26 |
| 26 |
| 24 |
| 24 |
| 25 |
| 25 |
| 24 |
| 25 |
| 23 |
| 25 |
| 23 |

6. select upper(sName), lower(cName) from student natural join Apply;

| UPPER(SNAME) | LOWER(CNAME) |
|--------------|--------------|
| AMY | berkeley |
| AMY | stanford |
| AMY | cornell |
| AMY | stanford |
| BOB | berkeley |
| CRAIG | cornell |
| CRAIG | cornell |
| CRAIG | cornell |
| CRAIG | mit |
| CRAIG | mit |
| FAY | stanford |
| JAY | cornell |
| JAY | stanford |
| JAY | cornell |
| IRENE | stanford |
| IRENE | mit |
| IRENE | mit |
| HELEN | berkeley |
| HELEN | stanford |

7. select substr(sName,4,1) from student;

| SUBSTR(SNAME, 4,1) |
|-----------------------|
| - |
| - |
| i |
| i |
| a |
| - |
| y |
| e |
| n |
| - |
| - |
| i |

8. select sId, sName from student where length(sName) > 3;

| SID | SNAME |
|-----|--------|
| 345 | Craig |
| 456 | Doris |
| 567 | Edward |
| 789 | Gary |
| 987 | Helen |
| 876 | Irene |
| 543 | Craig |

9. select * from student where mod(sId,2) = 0;

| SID | SNAME | GPA | SIZEHS | DOB |
|-----|-------|-----|--------|-----------|
| 234 | Bob | 3.6 | 1500 | 07-Apr-95 |
| 456 | Doris | 3.9 | 1000 | 24-Jul-97 |
| 678 | Fay | 3.8 | 200 | 27-Aug-96 |
| 876 | Irene | 3.9 | 400 | 07-Mar-96 |
| 654 | Amy | 3.9 | 1000 | 26-May-96 |

10. select sqrt(900), sqrt(power(24,7)) from dual;

| QRT(900) | SQRT (POWER(24,7)) |
|-----------------|---------------------------|
| 30 | 67723.49241 |

11. select instr('Peter Piper picked a peck of pickled peppers. A peck of pickled peppers Peter Piper picked. If Peter Piper picked a peck of pickled peppers, Where the peck of pickled peppers Peter Piper picked?','pick',1,4) as Occurance_6 from dual;

| OCCURANCE_6 |
|--------------------|
| 85 |

12. select translate('Satya Nadella','adelNSty',12345678) as translate from dual;

| TRANSLATE |
|------------------|
| 61781 5123441 |

13. select sID, sName, to_char(DoB, 'Month DD,YYYY') from student;

| SID | SNAME | TO_CHAR(DOB, 'MONTH DD,YYYY') |
|------------|--------------|--------------------------------------|
| 123 | Amy | June 26,1996 |
| 234 | Bob | April 07,1995 |
| 345 | Craig | February 04,1995 |
| 456 | Doris | July 24,1997 |
| 567 | Edward | December 21,1996 |
| 678 | Fay | August 27,1996 |
| 789 | Gary | October 08,1996 |
| 987 | Helen | March 27,1997 |
| 876 | Irene | March 07,1996 |
| 765 | Jay | August 08,1998 |
| 654 | Amy | May 26,1996 |
| 543 | Craig | August 27,1998 |

14. select to_date('26/02/2014', 'DD/MM/YY') from dual;

| |
|--|
| TO_DATE('26/02/2014', 'DD/MM/YY') |
| 26-Feb-14 |

15. select next_day(sysdate, 'Saturday'), last_day(sysdate) from dual;

| | |
|--------------------------------------|--------------------------|
| NEXT_DAY(SYSDATE, 'SATURDAY') | LAST_DAY(SYSDATE) |
| 11-Dec-21 | 31-Dec-21 |