**Student(rollno,name,date\_of\_birth,course\_id,city,fees\_paid,marks)**

**Course(course\_id,course\_sdesc,duration,course\_fees)**

**1. Create above table with proper constraints(Enter atleast 5 valid records).**

SQL> create table course(course\_id varchar(5) primary key,course\_desc varchar(10),duration varchar(10),course\_fees number(6));

Table created.

SQL> create table student(rollno number(2),name varchar(20),date\_of\_birth date,course\_id varchar(5)references course(course\_id),city varchar(20),fees\_paid number(5),marks number(3));

Table created.

SQL> insert into course values('co1','bca','3year',100000);

1 row created.

SQL> insert into course values('co2','bba','3year',50000);

1 row created.

SQL> insert into course values('co3','mca','2year',200000);

1 row created.

SQL> insert into course values('co4','bcom','3year',80000);

1 row created.

SQL> insert into course values('co5','btech','4year',300000);

1 row created.

SQL> insert into student values(01,'ammu','15-aug-87','co1','pala',10000,75);

1 row created.

SQL> insert into student values(02,'anu','16-dec-86','co2','pala',5000,60);

1 row created.

SQL> insert into student values(03,'manu','15-aug-87','co3','kottayam',20000,45);

1 row created.

SQL> insert into student values(04,'vinu','12-dec-99','co4','idukki',15000,55);

1 row created.

SQL> insert into student values(05,'maya','11-jan-91','co5','kottayam',0,35);

1 row created.

SQL> select \*from student;

ROLLNO NAME DATE\_OF\_B COURS CITY FEES\_PAID MARKS

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1 ammu 15-AUG-87 co1 pala 10000 75

2 anu 16-DEC-86 co2 pala 5000 60

3 manu 15-AUG-87 co3 kottayam 20000 45

4 vinu 12-DEC-99 co4 idukki 15000 55

5 maya 11-JAN-91 co5 kottayam 0 35

SQL> select \*from course;

COURS COURSE\_ DES DURATION COURSE\_FEES

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co1 bca 3year 100000

co2 bba 3year 50000

co3 mca 2year 200000

co4 bcom 3year 80000

co5 btech 4year 300000

**2. List details of student whose birth date is 15th august 87.**

SQL> select \*from student where date\_of\_birth='15-aug-87';

ROLLNO NAME DATE\_OF\_B COURS CITY FEES\_PAID MARKS

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1 ammu 15-AUG-87 co1 pala 10000 75

3 manu 15-AUG-87 co3 kottayam 20000 45

**3. Display details of students whose marks are less than 50 and not paid a fee.**

SQL> select \* from student where fees\_paid=0 AND marks<50;

ROLLNO NAME DATE\_OF\_B COURS CITY FEES\_PAID MARKS

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5 maya 11-JAN-91 co5 kottayam 0 35

**4.Display city wise count of students.**

SQL> select city,count(city)from student group by city;

CITY COUNT(CITY)

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kottayam 2

pala 2

idukki 1

**5. Display total fees paid.**

SQL> select sum(fees\_paid)as total\_fees from student;

TOTAL\_FEES

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50000

**6. write PL/SQL block to display the name and mark of the top student.**

SQL> set serveroutput on

SQL> declare

2 name student.name%type;

3 marks student.marks%type;

4 begin

5 select name,marks into name,marks from student where marks=(select max(marks)from student);

6 dbms\_output.put\_line('name'||name||'marks'||marks);

7 end;

8 /

**output**

nameammumarks75

PL/SQL procedure successfully completed.