Q1) I)

MariaDB [(none)]> use asma;

Database changed

MariaDB [asma]> CREATE TABLE student1(roll\_no int , name varchar(20), date\_of\_birth date , course\_id real);

Query OK, 0 rows affected (0.027 sec)

MariaDB [asma]> CREATE TABLE course1(course\_id real,name varchar(20),fee real,duration int);

Query OK, 0 rows affected (0.019 sec)

MariaDB [asma]> insert into student1 values(4,'adithyan','2003-04-02',231);

Query OK, 1 row affected (0.024 sec)

MariaDB [asma]> insert into student1 values(69,'mani','2001-11-10',235);

Query OK, 1 row affected (0.007 sec)

MariaDB [asma]> insert into student1 values(64,'asma','2003-03-11',231);

Query OK, 1 row affected (0.007 sec)

MariaDB [asma]> select \* from student1;

+---------+----------+---------------+-----------+

| roll\_no | name | date\_of\_birth | course\_id |

+---------+----------+---------------+-----------+

| 4 | adithyan | 2003-04-02 | 231 |

| 69 | mani | 2001-11-10 | 235 |

| 64 | asma | 2003-03-11 | 231 |

+---------+----------+---------------+-----------+

3 rows in set (0.001 sec)

MariaDB [asma]> insert into student1 values(45,'rahul','2004-05-11',231);

Query OK, 1 row affected (0.007 sec)

MariaDB [asma]> insert into student1 values(44,'rahan','2005-11-30',231);

Query OK, 1 row affected (0.007 sec)

MariaDB [asma]> select \* from student1;

+---------+----------+---------------+-----------+

| roll\_no | name | date\_of\_birth | course\_id |

+---------+----------+---------------+-----------+

| 4 | adithyan | 2003-04-02 | 231 |

| 69 | mani | 2001-11-10 | 235 |

| 64 | asma | 2003-03-11 | 231 |

| 45 | rahul | 2004-05-11 | 231 |

| 44 | rahan | 2005-11-30 | 231 |

+---------+----------+---------------+-----------+

5 rows in set (0.000 sec)

MariaDB [asma]> select name,timestampdiff(year,date\_of\_birth,curdate()) as age from student1;

+----------+------+

| name | age |

+----------+------+

| adithyan | 20 |

| mani | 22 |

| asma | 20 |

| rahul | 19 |

| rahan | 17 |

+----------+------+

5 rows in set (0.006 sec)

MariaDB [asma]> select name from student1 where timestampdiff(year,date\_of\_birth,curdate())>19;

+----------+

| name |

+----------+

| adithyan |

| mani |

| asma |

+----------+

3 rows in set (0.002 sec)

MariaDB [asma]> insert into course1 values (235,'bba',25000,3);

Query OK, 1 row affected (0.007 sec)

MariaDB [asma]> insert into course1 values (231,'mca',35000,4);

Query OK, 1 row affected (0.007 sec)

MariaDB [asma]> select \* from course1;

+-----------+------+-------+----------+

| course\_id | name | fee | duration |

+-----------+------+-------+----------+

| 235 | bba | 25000 | 3 |

| 231 | mca | 35000 | 4 |

+-----------+------+-------+----------+

2 rows in set (0.000 sec)

MariaDB [asma]> select student1.name from student1 inner join course1 on student1.course\_id=course1.course\_id;

+----------+

| name |

+----------+

| adithyan |

| mani |

| asma |

| rahul |

| rahan |

+----------+

5 rows in set (0.008 sec)

MariaDB [asma]> select student1.name from student1 inner join course1 on student1.course\_id=course1.course\_id where timestampdiff(year,date\_of\_birth,curdate())>19;

+----------+

| name |

+----------+

| adithyan |

| mani |

| asma |

+----------+

3 rows in set (0.006 sec)

MariaDB [asma]> select student1.name from student1 inner join course1 on student1.course\_id=course1.course\_id where timestampdiff(year,date\_of\_birth,curdate())<=19 and timestampdiff(year,date\_of\_birth,curdate())>=18;

+-------+

| name |

+-------+

| rahul |

+-------+

1 row in set (0.001 sec)

MariaDB [asma]> select student1.name from student1 inner join course1 on student1.course\_id=course1.course\_id where timestampdiff(year,date\_of\_birth,curdate())<=19 and timestampdiff(year,date\_of\_birth,curdate())>=18 and course1.name='mca';

+-------+

| name |

+-------+

| rahul |

+-------+

1 row in set (0.003 sec)

MariaDB [asma]>

Q1) II)

MariaDB [asma]> select course1.name from course1 inner join student1 on student1.course\_id=course1.course\_id group by course1.name having count(course1.course\_id)<10;

+------+

| name |

+------+

| bba |

| mca |

+------+

2 rows in set (0.001 sec)

MariaDB [asma]>

Q2)

drop table employ;

CREATE TABLE employ (name varchar(20),district varchar(20),rank int);

DECLARE

CURSOR cur IS

SELECT name,rank,district

FROM student e,

student\_rank d

WHERE d.roll\_no = e.roll\_no;

v cur%ROWTYPE;

BEGIN

OPEN cur;

LOOP

FETCH cur INTO v;

exit WHEN cur%NOTFOUND;

if(v.rank<=100) then

insert into employ values(v.name,v.district,v.rank);

end if;

END LOOP;

CLOSE cur;

END;

/