Assignment No: 1

Roll No : 220950320055
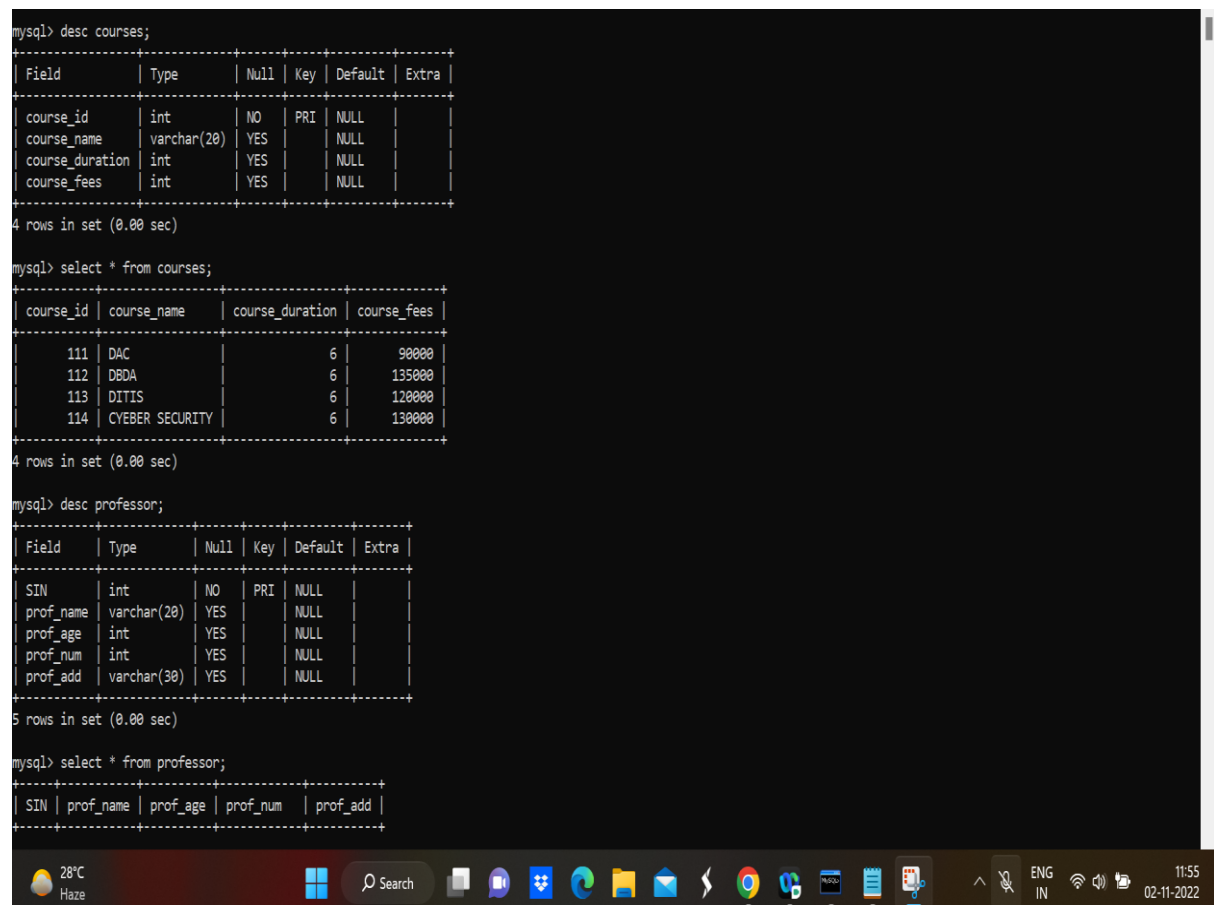
Q.1


```
mysql> desc courses;
+-----------------+-------------+------+-----+---------+-------+
| Field           | Type        | Null | Key | Default | Extra |
+-----------------+-------------+------+-----+---------+-------+
| course_id       | int         | NO   | PRI | NULL    |       |
| course_name     | varchar(20) | YES  |     | NULL    |       |
| course_duration | int         | YES  |     | NULL    |       |
| course_fees     | int         | YES  |     | NULL    |       |
+-----------------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> select * from courses;
+-----------+-----------------+-----------------+-------------+
| course_id | course_name     | course_duration | course_fees |
+-----------+-----------------+-----------------+-------------+
|       111 | DAC             |               6 |       90000 |
|       112 | DBDA            |               6 |      135000 |
|       113 | DITIS           |               6 |      120000 |
|       114 | CYEBER SECURITY |               6 |      130000 |
+-----------+-----------------+-----------------+-------------+
4 rows in set (0.00 sec)

mysql> desc professor;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| SIN       | int         | NO   | PRI | NULL    |       |
| prof_name | varchar(20) | YES  |     | NULL    |       |
| prof_age  | int         | YES  |     | NULL    |       |
| prof_num  | int         | YES  |     | NULL    |       |
| prof_add  | varchar(30) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> select * from professor;
+-----+-----------+----------+----------+----------+
| SIN | prof_name | prof_age | prof_num | prof_add |
+-----+-----------+----------+----------+----------+
```

```
mysql> select * from professor;
+-----+-----------+----------+------------+----------+
| SIN | prof_name | prof_age | prof_num   | prof_add |
+-----+-----------+----------+------------+----------+
|   1 | ABC       |       45 | 1234567890 | Hyd      |
|   2 | PQR       |       46 | 1234567891 | HYD      |
|   3 | xyz       |       47 | 1234567898 | HYD      |
|   4 | LMN       |       47 |  123456787 | HYD      |
|   5 | BOQ       |       48 |  987654320 | HYD      |
+-----+-----------+----------+------------+----------+
5 rows in set (0.00 sec)

mysql> desc semester;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| course_id   | int         | YES  | MUL | NULL    |       |
| course_name | varchar(20) | YES  |     | NULL    |       |
| prof_name   | varchar(30) | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> select * from semester;
+-----------+----------------+-----------+
| course_id | course_name    | prof_name |
+-----------+----------------+-----------+
|       111 | DAC            | PQR       |
|       113 | DITIS          | ABC       |
|       114 | DBDA           | PQR       |
|       112 | CYBER SECURITY | XYZ       |
+-----------+----------------+-----------+
4 rows in set (0.00 sec)

mysql>
```