Course Code	CSA0543	Course title	Database Management Systems for Data Science
Course Type	Progam Core	Branch /SLOT	CSE / Slot A
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Create a Table a **bank** and the details are

S.No	Cust_Name	Acc_no	Balance	Cus_Branch
1	Ramesh	12378	100000	Adyar
2	Samran	12367	152500	Mylapore
3	Hari	12345	250000	Anna Salai

Perform the following:
- Simple Select *Select with **where** clause *Select with **comparison operator >**
- Select with **between** in the field **Balance** *Update the **Cus_Branch** in the second row as **Pon** * find out the maximum balance * Drop the table

```
MySQL 8.0 Command Line Client - Unicode
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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database worker;
Query OK, 1 row affected (0.01 sec)

mysql> use worker;
Database changed
mysql> create table worker(sno int(10),name char(10),designation char(10),branch char(10));
Query OK, 0 rows affected, 1 warning (0.02 sec)

mysql> insert into worker values (1,'martin','manager','chennai');
Query OK, 1 row affected (0.01 sec)

mysql> insert into worker values (2,'sopna','supervisior','maduri')"
    "> ^C
mysql> insert into worker values (2,'sopna','supervisior','maduri');
ERROR 1406 (22001): Data too long for column 'designation' at row 1
mysql> alter table worker
    -> modify designation varchar(20);
Query OK, 1 row affected (0.04 sec)
Records: 1  Duplicates: 0  Warnings: 0

mysql> insert into worker values (2,'sopna','supervisior','maduri');
Query OK, 1 row affected (0.00 sec)

mysql> insert into worker values (3,'assistant','trichy');
ERROR 1136 (21S01): Column count doesn't match value count at row 1
mysql> insert into worker values (3,'hunter','assistant','trichy');
    "> insert into worker values (3,'hunter','assistant','trichy');^C
mysql> insert into worker values (3,'hunter','assistant','trichy');
Query OK, 1 row affected (0.00 sec)

mysql> select * from worker;
+------+--------+-------------+---------+
| sno  | name   | designation | branch  |
+------+--------+-------------+---------+
|    1 | martin | manager     | chennai |
|    2 | sopna  | supervisior | maduri  |
|    3 | hunter | assistant   | trichy  |
+------+--------+-------------+---------+
3 rows in set (0.00 sec)

mysql> alter table worker
```

```
MySQL 8.0 Command Line Client - Unicode
 salary int' at line 1
mysql> alter table worker
    -> add salary int;
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> alter table worker
    -> ^C
mysql> desc worker;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| sno         | int         | YES  |     | NULL    |       |
| name        | char(10)    | YES  |     | NULL    |       |
| designation | varchar(20) | YES  |     | NULL    |       |
| branch      | char(10)    | YES  |     | NULL    |       |
| salary      | int         | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> alter table worker
    -> modify name varchar(20);
Query OK, 3 rows affected (0.03 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> desc worker;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| sno         | int         | YES  |     | NULL    |       |
| name        | varchar(20) | YES  |     | NULL    |       |
| designation | varchar(20) | YES  |     | NULL    |       |
| branch      | char(10)    | YES  |     | NULL    |       |
| salary      | int         | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> desc worker;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| sno         | int         | YES  |     | NULL    |       |
| name        | varchar(20) | YES  |     | NULL    |       |
| designation | varchar(20) | YES  |     | NULL    |       |
| branch      | char(10)    | YES  |     | NULL    |       |
| salary      | int         | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

```
MySQL 8.0 Command Line Client - Unicode                                                          —  ☐

mysql> create table trainee like worker;
Query OK, 0 rows affected (0.02 sec)

mysql> insert into trainee select * from worker;
Query OK, 3 rows affected (0.01 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> select * from trainee;
+------+--------+------------+--------+--------+
| sno  | name   | designation | branch | salary |
+------+--------+------------+--------+--------+
|    1 | martin | manager    | chennai |  NULL  |
|    2 | sopna  | supervisior | maduri |  NULL  |
|    3 | hunter | assistant  | trichy |  NULL  |
+------+--------+------------+--------+--------+
3 rows in set (0.00 sec)

mysql> delete from worker where name='sopna';
Query OK, 1 row affected (0.01 sec)

mysql> select * from worker;
+------+--------+------------+--------+--------+
| sno  | name   | designation | branch | salary |
+------+--------+------------+--------+--------+
|    1 | martin | manager    | chennai |  NULL  |
|    3 | hunter | assistant  | trichy |  NULL  |
+------+--------+------------+--------+--------+
2 rows in set (0.00 sec)

mysql> drop table worker;
Query OK, 0 rows affected (0.01 sec)

mysql> select * from worker;
ERROR 1146 (42S02): Table 'worker.worker' doesn't exist
mysql> _
```