



SAVEETHA SCHOOL OF ENGINEERING
SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES
CHENNAI – 602105



Course Code	CSA0543	Course title	Database Management Systems for Data Science	
Course Type	Progam Core		Branch /SLOT	CSE / Slot A
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SELECT with various clause – WHERE, BETWEEN, IN and pattern matching Commands

Create a table bank with fields S_No, Cust_Name, Acc_No , Balance, cas_Branch.
Give the select statement with Simple Select * with where clause for the field name Acc_No.

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MySQL 8.0 Command Line Client
ERROR 1146 (42S02): Table 'employee.employee1' doesn't exist
mysql> desc employee1;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| sno   | int  | NO   | PRI | NULL    |       |
| name  | char(20) | YES |     | NULL    |       |
| designation_branch | char(20) | YES |     | NULL    |       |
+-----+
3 rows in set (0.00 sec)

mysql> create table workers1
-> (sno int,
-> name char,
-> designation_branch char);
Query OK, 0 rows affected (0.02 sec)

mysql> alter table workers1
-> add constraint link
-> foreign key(sno)
-> references employee1(sno);
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc workers1;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| sno   | int  | YES  | MUL | NULL    |       |
| name  | char(1) | YES |     | NULL    |       |
| designation_branch | char(1) | YES |     | NULL    |       |
+-----+
3 rows in set (0.00 sec)

mysql> alter table employee1
-> add unique (name);
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc employee1;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| sno   | int  | NO   | PRI | NULL    |       |
| name  | char(20) | YES | UNI | NULL    |       |
| designation_branch | char(20) | YES |     | NULL    |       |
+-----+
3 rows in set (0.00 sec)
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MySQL 8.0 Command Line Client
Query OK, 1 row affected (0.00 sec)

mysql> select * from bank1;
+----+-----+-----+-----+-----+
| sno | name  | acco_no | balance | branch |
+----+-----+-----+-----+-----+
| 1 | komal | 123456 | 10000000 | chennai |
| 1 | komal | 123456 | 10000000 | chennai |
| 2 | sai pavan | 122326 | 20000 | hyderabad |
| 3 | yogesh | 1213435 | 10000000 | chennai |
| 4 | akhil | 1233445 | 4900000 | hyderabad |
+----+-----+-----+-----+-----+
rows in set (0.00 sec)

mysql> select * from bank1 where branch='chennai';
+----+-----+-----+-----+-----+
| sno | name  | acco_no | balance | branch |
+----+-----+-----+-----+-----+
| 1 | komal | 123456 | 10000000 | chennai |
| 1 | komal | 123456 | 10000000 | chennai |
| 3 | yogesh | 1213435 | 10000000 | chennai |
+----+-----+-----+-----+-----+
rows in set (0.00 sec)

mysql> select * from bank1 where balance between 100000000 and 1000000000;
Empty set (0.00 sec)

mysql> select * from bank1 where balance between 10000 and 1000000000;
+----+-----+-----+-----+-----+
| sno | name  | acco_no | balance | branch |
+----+-----+-----+-----+-----+
| 1 | komal | 123456 | 10000000 | chennai |
| 1 | komal | 123456 | 10000000 | chennai |
| 2 | sai pavan | 122326 | 20000 | hyderabad |
| 3 | yogesh | 1213435 | 10000000 | chennai |
| 4 | akhil | 1233445 | 4900000 | hyderabad |
+----+-----+-----+-----+-----+
rows in set (0.00 sec)

mysql> select * from bank1 where balance in 20000;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '20000' at line 1
mysql> select * from bank1 where balance in (20000);
+----+-----+-----+-----+-----+
| sno | name  | acco_no | balance | branch |
+----+-----+-----+-----+-----+
| 2 | sai pavan | 122326 | 20000 | hyderabad |
+----+-----+-----+-----+-----+
row in set (0.00 sec)

```

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MySQL 8.0 Command Line Client
mysql> select * from bank1 where balance in 20000;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '20000' at line 1
mysql> select * from bank1 where balance in (20000);
+----+-----+-----+-----+-----+
| sno | name  | acco_no | balance | branch |
+----+-----+-----+-----+-----+
| 2 | sai pavan | 122326 | 20000 | hyderabad |
+----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> select * from bank1 where balance=4900000;
+----+-----+-----+-----+-----+
| sno | name  | acco_no | balance | branch |
+----+-----+-----+-----+-----+
| 4 | akhil | 1233445 | 4900000 | hyderabad |
+----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>

```