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EXP 5: WHERE, BETWEEN, IN and PATTERN MATCHING

WHERE

```
Command Prompt - mysql -u root -p

+-----+-----+-----+-----+-----+-----+
| 192110437 | sai | M | -2004 | 987654310 | cse |
| 1921210121 | siri | F | 0 | 989878579 | ece |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> insert into student values(1921210121,'geetha','F',10/02/2000,989232579,'ece');
ERROR 1062 (23000): Duplicate entry '1921210121' for key 'student.PRIMARY'
mysql> insert into student values(1921243121,'geetha','F',10/02/2000,989232579,'ece');
Query OK, 1 row affected (0.01 sec)

mysql> select * from student;

+-----+-----+-----+-----+-----+-----+
| REGNo | Name | gender | DOB | Mobilen | DEPT |
+-----+-----+-----+-----+-----+-----+
| 192110437 | sai | M | -2004 | 987654310 | cse |
| 1921210121 | siri | F | 0 | 989878579 | ece |
| 1921243121 | geetha | F | 0 | 989232579 | ece |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select REGNo from student where gender='F';
+-----+
| REGNo |
+-----+
| 1921210121 |
| 1921243121 |
+-----+
2 rows in set (0.00 sec)

mysql>
```

BETWEEN:

```
Command Prompt - mysql -u root -p

mysql> update student set score=90 where Name='sai';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update student set score=80 where Name='siri';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update student set score=70 where Name='geetha';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from student;

+-----+-----+-----+-----+-----+-----+
| REGNo | Name | gender | Mobilen | DEPT | score |
+-----+-----+-----+-----+-----+-----+
| 192110437 | sai | M | 987654310 | cse | 90 |
| 1921210121 | siri | F | 989878579 | ece | 80 |
| 1921243121 | geetha | F | 989232579 | ece | 70 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select Name from student where score between 80 and 100
-> ;
+-----+
| Name |
+-----+
| sai |
| siri |
+-----+
2 rows in set (0.00 sec)

mysql>
```

IN

```
Command Prompt - mysql -u root -p
mysql> select * from student;
+-----+-----+-----+-----+-----+-----+
| REGNo | Name | gender | Mobileno | DEPT | score |
+-----+-----+-----+-----+-----+-----+
| 192110437 | sai | M | 987654310 | cse | 90 |
| 1921210121 | siri | F | 989878579 | ece | 80 |
| 1921243121 | geetha | F | 989232579 | ece | 70 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select Name from student where score between 80 and 100
-> ;
+-----+
| Name |
+-----+
| sai |
| siri |
+-----+
2 rows in set (0.00 sec)

mysql> select avg(scores) from student;
ERROR 1054 (42S22): Unknown column 'scores' in 'field list'
mysql> select avg(score) from student;
+-----+
| avg(score) |
+-----+
| 80.0000 |
+-----+
1 row in set (0.00 sec)

mysql> _
```

PATTERN MATCHING:

```
Command Prompt - mysql -u root -p
mysql> select avg(score) from student;
+-----+
| avg(score) |
+-----+
| 80.0000 |
+-----+
1 row in set (0.00 sec)

mysql> select * from student where 'name' like '%i';
Empty set (0.00 sec)

mysql> select * from student where 'name' like '%s';
Empty set (0.00 sec)

mysql>
```