

## “Exp 4: Demonstrate to SELECT with clauses.”

Step 1: We create a table which we will use to retrieve data from using SELECT statement with clauses and insert records in it as follows :-

```
mysql> CREATE TABLE employees (  
->   id INT PRIMARY KEY,  
->   name VARCHAR(50),  
->   age INT,  
->   department VARCHAR(50)  
-> );  
Query OK, 0 rows affected (0.02 sec)  
  
mysql> INSERT INTO employees (id, name, age, department)  
-> VALUES (1, 'John Doe', 30, 'Sales'),  
->          (2, 'Jane Smith', 25, 'Marketing'),  
->          (3, 'Bob Johnson', 40, 'Finance'),  
->          (4, 'Sara Lee', 35, 'Operations'),  
->          (5, 'Stan Lee', 38, 'Marketing'),  
->          (6, 'John McClane', 42, 'Operations'),  
->          (7, 'Takeshi Kido', 37, 'Finance'),  
->          (8, 'Phil Coulson', 29, 'Sales');  
Query OK, 8 rows affected (0.01 sec)  
Records: 8  Duplicates: 0  Warnings: 0
```

Step 2: Retrieving all data using normal SELECT statement as follows :-

```
mysql> SELECT * FROM employees;  
+----+-----+-----+-----+  
| id | name          | age | department |  
+----+-----+-----+-----+  
| 1  | John Doe      | 30  | Sales      |  
| 2  | Jane Smith    | 25  | Marketing  |  
| 3  | Bob Johnson   | 40  | Finance    |  
| 4  | Sara Lee      | 35  | Operations |  
| 5  | Stan Lee      | 38  | Marketing  |  
| 6  | John McClane  | 42  | Operations |  
| 7  | Takeshi Kido  | 37  | Finance    |  
| 8  | Phil Coulson  | 29  | Sales      |  
+----+-----+-----+-----+  
8 rows in set (0.00 sec)
```

Example 1: Retrieving data using WHERE clause with SELECT statement : -

```
mysql> SELECT * FROM employees WHERE age > 30;
```

id	name	age	department
3	Bob Johnson	40	Finance
4	Sara Lee	35	Operations
5	Stan Lee	38	Marketing
6	John McClane	42	Operations
7	Takeshi Kido	37	Finance

5 rows in set (0.01 sec)

Example 2: Retrieving data using ORDER BY clause with SELECT statement : -

```
mysql> SELECT name, age
-> FROM employees
-> ORDER BY age ASC;
```

name	age
Jane Smith	25
Phil Coulson	29
John Doe	30
Sara Lee	35
Takeshi Kido	37
Stan Lee	38
Bob Johnson	40
John McClane	42

8 rows in set (0.00 sec)

```
mysql>
```