

Module-4 Assessment

----- Step 1: Create database -----

```
CREATE DATABASE salesdb;
```

```
USE salesdb;
```

```
mysql> CREATE DATABASE salesdb;
Query OK, 1 row affected (0.01 sec)

mysql> USE salesdb;
Database changed
```

-----Step 2: Create Customer table-----

```
CREATE TABLE Customer (
    customer_id INT PRIMARY KEY,
    customer_name VARCHAR(50),
    city VARCHAR(50),
    grade INT,
    salesman_id INT
);
```

```
mysql> DESC Customer;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| customer_id    | int           | NO   | PRI | NULL    |       |
| customer_name  | varchar(50)   | YES  |     | NULL    |       |
| city           | varchar(50)   | YES  |     | NULL    |       |
| grade          | int           | YES  |     | NULL    |       |
| salesman_id    | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.03 sec)
```

----- Step 3: Create Salesman table -----

```
CREATE TABLE Salesman (  
    salesman_id INT PRIMARY KEY,  
    name VARCHAR(50),  
    city VARCHAR(50),  
    commission DECIMAL(5,2)  
);
```

```
mysql> DESC Salesman;
```

Field	Type	Null	Key	Default	Extra
salesman_id	int	NO	PRI	NULL	
name	varchar(50)	YES		NULL	
city	varchar(50)	YES		NULL	
commission	decimal(5,2)	YES		NULL	

4 rows in set (0.00 sec)

----- Step 4: Insert sample records into Salesman -----

```
INSERT INTO Salesman VALUES  
(101, 'karan', 'ahemdabad', 0.15),  
(102, 'tanisha', 'udaipur', 0.20),  
(103, 'chetan', 'Pune', 0.18);
```

```
mysql> SELECT * FROM Salesman;
```

salesman_id	name	city	commission
101	karan	ahemdabad	0.15
102	tanisha	udaipur	0.20
103	chetan	Pune	0.18

3 rows in set (0.00 sec)

----- Step 5: Insert sample records into Customer -----

INSERT INTO Customer VALUES

(1, 'Rahul', 'Delhi', 100, 101),

(2, 'Priya', 'Mumbai', 200, 102),

(3, 'Kiran', 'Pune', 150, 103);

```
mysql> SELECT * FROM Customer;
+-----+-----+-----+-----+-----+
| customer_id | customer_name | city   | grade | salesman_id |
+-----+-----+-----+-----+-----+
|          1 | Rahul         | Delhi  | 100   |          101 |
|          2 | Priya         | Mumbai | 200   |          102 |
|          3 | Kiran         | Pune   | 150   |          103 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

----- Step 6: Query using JOIN to get Customer + Salesman info -----

SELECT

c.customer_name AS Customer_Name,

c.city AS Customer_City,

s.name AS Salesman_Name,

s.commission AS Commission

FROM

Customer c

JOIN

Salesman s

ON

c.salesman_id = s.salesman_id;

Customer_Name	Customer_City	Salesman_Name	Commission
Rahul	Delhi	karan	0.15
Priya	Mumbai	tanisha	0.20
Kiran	Pune	chetan	0.18

rows in set (0.01 sec)