

Assignment No. 5

- Create Sales table with the following fields(Sales No, Salesname, Branch, Salesamount, DOB)

```
mysql> USE office;
Database changed
mysql> CREATE TABLE Sales (
  ->     SalesNo INT PRIMARY KEY,
  ->     SalesName VARCHAR(50),
  ->     Branch VARCHAR(50),
  ->     SalesAmount DECIMAL(10,2),
  ->     DOB DATE
  -> );
Query OK, 0 rows affected (0.01 sec)
```

1. Insert five records.

```
mysql> INSERT INTO Sales (SalesNo, SalesName, Branch, SalesAmount, DOB)
  -> VALUES
  -> (1, 'John', 'Branch A', 1000.00, '1990-12-05'),
  -> (2, 'Jane', 'Branch B', 1500.00, '1992-06-15'),
  -> (3, 'Alice', 'Branch A', 2000.00, '1985-11-20'),
  -> (4, 'Bob', 'Branch C', 1200.00, '1998-12-25'),
  -> (5, 'Eve', 'Branch B', 1800.00, '1994-09-10');
Query OK, 5 rows affected (0.00 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

```
mysql> SELECT * FROM Sales;
+-----+-----+-----+-----+-----+
| SalesNo | SalesName | Branch | SalesAmount | DOB |
+-----+-----+-----+-----+-----+
| 1 | John | Branch A | 1000.00 | 1990-12-05 |
| 2 | Jane | Branch B | 1500.00 | 1992-06-15 |
| 3 | Alice | Branch A | 2000.00 | 1985-11-20 |
| 4 | Bob | Branch C | 1200.00 | 1998-12-25 |
| 5 | Eve | Branch B | 1800.00 | 1994-09-10 |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

2. Calculate total sales amount in each branch.

```
mysql> SELECT Branch, SUM(SalesAmount) AS TotalSalesAmount
  -> FROM Sales
  -> GROUP BY Branch;
+-----+-----+
| Branch | TotalSalesAmount |
+-----+-----+
| Branch A | 3000.00 |
| Branch B | 3300.00 |
| Branch C | 1200.00 |
+-----+-----+
3 rows in set (0.00 sec)
```

3. Calculate average sales amount in each branch .

```
mysql> SELECT Branch, AVG(SalesAmount) AS AverageSalesAmount
-> FROM Sales
-> GROUP BY Branch;
```

| Branch | AverageSalesAmount |
|----------|--------------------|
| Branch A | 1500.000000 |
| Branch B | 1650.000000 |
| Branch C | 1200.000000 |

3 rows in set (0.00 sec)

4. Display all the salesmen, DOB who are born in the month of December as day in character format i.e. 21-Dec-09.

```
mysql> SELECT SalesName, DATE_FORMAT(DOB, '%d-%b-%y') AS FormattedDOB
-> FROM Sales
-> WHERE MONTH(DOB) = 12;
```

| SalesName | FormattedDOB |
|-----------|--------------|
| John | 05-Dec-90 |
| Bob | 25-Dec-98 |

2 rows in set (0.00 sec)

5. Display the name and DOB of salesman in alphabetical order of the month.

```
mysql> SELECT SalesName, DATE_FORMAT(DOB, '%d-%b-%y') AS FormattedDOB
-> FROM Sales
-> ORDER BY MONTH(DOB), SalesName;
```

| SalesName | FormattedDOB |
|-----------|--------------|
| Jane | 15-Jun-92 |
| Eve | 10-Sep-94 |
| Alice | 20-Nov-85 |
| Bob | 25-Dec-98 |
| John | 05-Dec-90 |

5 rows in set (0.00 sec)

6. Display the list of the Salesman in Upper Case.

```
mysql> SELECT UPPER(SalesName) AS SalesmanUpperCase
-> FROM Sales;
```

| SalesmanUpperCase |
|-------------------|
| JOHN |
| JANE |
| ALICE |
| BOB |
| EVE |

5 rows in set (0.00 sec)