

4)Exercise on the group by and order by clauses) Create Sales table with the following fields (Sales No, Salesname, Branch, Salesamount, DOB)

1. Create a Sales Table with the following fields
(Sales_No,Sales_Name,Branch,Sales_Amount,DOB)

```
CREATE TABLE Sales (  
    Sales_No INT PRIMARY KEY,  
    Sales_Name VARCHAR(50),  
    Branch VARCHAR(50),  
    Sales_Amount DECIMAL(10, 2),  
    DOB DATE  
);
```

2. Insert five records

```
INSERT INTO Sales VALUES  
(1, 'Rahul', 'Delhi', 25000, '1985-12-25'),  
(2, 'Amit', 'Delhi', 30000, '1990-06-15'),  
(3, 'Sachin', 'Mumbai', 45000, '1978-12-10'),  
(4, 'Saurav', 'Kolkata', 28000, '1982-09-08'),  
(5, 'Rahul', 'Mumbai', 32000, '1988-11-22');
```

3. Calculate total salesamount in each branch

```
SELECT Branch, SUM(Sales_Amount) AS Total_Sales_Amount
```

FROM Sales
GROUP BY Branch;

OUTPUT:

City	TotalSalesAmount
Delhi	55000
Mumbai	77000
Kolkata	28000

4. Calculate average salesamount in each branch

SELECT Branch, AVG(Sales_Amount) AS Average_Sales_Amount
FROM Sales
GROUP BY Branch;

OUTPUT:

City	AverageSalesAmount
Delhi	27500
Mumbai	38500
Kolkata	28000

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

SELECT Sales_Name, DOB

FROM Sales

ORDER BY EXTRACT(MONTH FROM DOB);

OUTPUT:

Name	DOB
Rahul	25-Dec-85
Sachin	10-Dec-78

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

SELECT Name, TO_CHAR(SalesDate, 'DD-Mon-YY') AS DOB

FROM Sales

ORDER BY TO_CHAR(SalesDate, 'Mon');

OUTPUT:

Name	DOB
Saurav	08-Sep-82
Rahul	25-Dec-85
Sachin	10-Dec-78
Amit	15-Jun-90
Rahul	22-Nov-88