

## Assignment SQL Queries

### Products

- 1) Display name of products which are not sold by employee **Peter**.
- 2) Display name of products which are not purchased by customer **Smith**.
- 3) Display name of products which are purchased individually.
- 4) Display name of products which are purchased by maximum number of customers.
- 5) Display name of products which are sold by employees whose manager is **Michael**.
- 6) Display name of products which are not purchased by any customer from last 4 months.
- 7) Display name of products which are sold maximum in months June and July.
- 8) Display name of top five products which are in high demand in all 12 months.
- 9) Display name of products which are purchased in all 12 months.
- 10) Display name of products which are purchased only once but in all 12 months

### Employees

- 1) Display name of employees which have only two a's.
- 2) Display name of employees in ascending order according to last two characters of each name.
- 3) Display name of employees who attended maximum number of customers in last month.
- 4) Display name of employees who sold maximum number of products in last month.
- 5) Display name of employees who have grade **B** and having manager belongs to **Admin** department.

### Customers

- 1) Display name of customers giving maximum number of orders.
- 2) Display name of customers who purchased maximum number of products
- 3) Display name of customers who purchased maximum number of different products
- 4) Display name of customers who are not purchased any product from last three months.
- 5) Display name of customers who purchased every month.

### Miscellaneous

- 1) Display the name of the product which is costliest.
- 2) Display the name of customers who are never attended by employee "**Peter**".
- 3) Display the total billing done by employee "**Peter**".
- 4) Display the name of customer who has purchased "**Pepsi**" but not "**Lime Water**".
- 5) Display the name of employee who generated maximum revenue for month of **January**.
- 6) Display the name of customer who is attended by "**Peter**" & "**Bob**".
- 7) Display the name of employee who has generated maximum revenue for **today**.
- 8) Display name of employees who has attended customer "**Thompson**".
- 9) Display the order ids of the order which are placed by "**Thompson**" but not attended by "**Kevin**".
- 10) Display the name of manager whose team has generated maximum revenue for **current financial year**.

## Assignment SQL Queries

### General Queries

- 1) Display dept id along with name of all employees in that department  
The output will be as such:

Dept ID	Employee
10	Michael, Arnold
20	Bob, Maria, Peter

.....

- 2) Display name, salary and running total salary.

The output will be as such:

Name	Salary	Running Total Salary
Bob	8000	8000
Maria	12000	20000
Peter	16000	36000

.....

- 3) Display name of first employee, third employee, and so forth.  
4) Display name and department information for all employees in departments 10 and 20 along with department information for departments 30 and 40.  
5) Display names and salaries of the employees with the top five salaries  
6) Display rank the salaries in table employee while allowing for ties

The output will be as such:

Rank	Salary
1	8000
2	9000
3	12000
3	12000

.....

- 7) Display the number of employees in each department as a horizontal histogram with each employee represented by an instance of "\*".

The output will be as such:

DEPTID	CNT
10	**
20	***

.....

- 8) Display the number of employees in each department as a vertical histogram with each employee represented by an instance of "\*".

The output will be as such:

D10	D20	D30
	*	
*	*	
*	*	*

- 9) Display employee's name, his department, the number of employees in his department (himself included), and the total number of employees.

- 10) Display a list of all Fridays for the current year.