**Assignment: - 06**

1. Get data with all columns of the sales table, and customer name, customer age, product name, and category are in the same result set. (use join in the subquery, refer to the datafiles from Assignments-05)
2. Get data sales table, product name, and category in the result set.
3. Without using the join concept create a sub-query by using the customer, product, sales data.

**Functions: -**

**string functions: -**

1. Find maximum length of characters in the Product name string from Product table
2. Retrieve product name, sub-category and category from Product table and an additional column named “product\_details” which contains a concatenated string of product name, sub-category and category.
3. Analyze the product\_id column and take out the three parts composing the product\_id in three different columns.
4. List down comma separated product name where sub-category is either Chairs or tables.

**Mathematical functions: -**

1. You are running a lottery for your customers. So, pick a list of 5 lucky customers from customer table using random function.
2. Suppose you cannot charge the customer in fraction points. So, for sales value of 1.63, you will get either 1 (or) 2. In such a scenario, find out.
3. Total sales revenue if you are charging the lower integer value of sales always.
4. Total sales revenue if you are charging the higher integer value is sales always.
5. Total sales revenue if you are rounding-off the sales always.

**Date & Time functions: -**

1. Find out the current age of “batman” who was born on “April 6,1939” in Years, months and days
2. Analyze and find out the monthly sales of sub-category chair. Do you Observe any seasonality in sales of this sub-category.