**Database Management System - Assignments**

**Session 3**

**Assignment 1:**

With respect to StoreFront application identify, apply and list the constraints you would apply on the columns for the tables created.

**Assignment 2:**

Write SQL scripts for the following:

* Display the list of products (Id, Title, Count of Categories) which fall in more than one Category.
* Display Count of products as per below price range:

| Range in Rs. | Count |
| --- | --- |
| 0 - 100 |  |
| 101 - 500 |  |
| Above 500 |  |

* Display the Categories along with number of products under each category.

**Assignment 3:**

Write SQL scripts for the following:

* Display Shopper’s information along with number of orders he/she placed during last 30 days.
* Display the top 10 Shoppers who generated maximum number of revenue in last 30 days.
* Display top 20 Products which are ordered most in last 60 days along with numbers.
* Display Monthly sales revenue of the StoreFront for last 6 months. It should display each month’s sale.
* Mark the products as Inactive which are not ordered in last 90 days.
* Given a category search keyword, display all the Products present in this category/categories.
* Display top 10 Items which were cancelled most.

**Assignment 4:**

Consider a form where providing a Zip Code populates associated City and

State.

* Create appropriate tables and relationships for the same and write a SQL

query for that returns a Resultset containing Zip Code, City Names and

States ordered by State Name and City Name.

(Create 3 tables to store State, District/City & Zip code separately)

**Assignment 5:**

* Create a view displaying the order information (Id, Title, Price, Shopper’s name, Email, Orderdate, Status) with latest ordered items should be displayed first for last 60 days.
* Use the above view to display the Products(Items) which are in ‘shipped’ state.
* Use the above view to display the top 5 most selling products.