**Data Querying and Manipulation using SQL**

**Single-row Functions and SQL JOINs**

Write appropriate SQL queries for following problems.

1. Display the product details as per the following criteria and sort them in descending order of category:
   1. If the category is 2050, increase the price by 2000
   2. If the category is 2051, increase the price by 500
   3. If the category is 2052, increase the price by 600
2. List the product description, class description and price of all products which are shipped.
3. List details of customers who have not placed any order.
4. List customer name, email and order details (order id, product desc, qty, subtotal) for all customers even if they have not ordered any item.
5. Show inventory status of products as below as per their available quantity:
   1. For Electronics and Computer categories, if available quantity is < 10, show 'Low stock', 11 < qty < 30, show 'In stock', > 31, show 'Enough stock'
   2. For Stationery and Clothes categories, if qty < 20, show 'Low stock', 21 < qty < 80, show 'In stock', > 81, show 'Enough stock'
   3. Rest of the categories, if qty < 15 – 'Low Stock', 16 < qty < 50 – 'In Stock', > 51 – 'Enough stock'

For all categories, if available quantity is 0, show 'Out of stock'.

1. List customer full name and order details (order no, date, product class desc, product desc, subtotal, shipper name) for orders shipped to cities whose pin codes do not have any 0s in them. Sort the output on customer name, order date and subtotal.
2. List customers from outside *Karnataka* who haven’t bought any toys or books.
3. List the details of customers who bought more than ten (i.e. total order qty) products per order.
4. Show full name and total order value of premium customers (i.e. the customers who bought items total worth > Rs. 1 lakh.)
5. Show id and names of customers along with total quantity of products ordered for order ids > 10060.