**Customer cart of food delivery: [Total 50 Marks]**

Prepare the tables below and take the standard data types of each column mentioned.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Category Master**  CategoryId - Primary key  CategoryName - Notnull  CategoryDescription - Null  IsActive - Notnull  CreatedDate - Notnull | **Item Master**  ItemId – Primary key  CategoryId – Foreign key  Itemname - Notnull  ItemDescription - Null  Price - Notnull  Gst - Notnull  IsActive - Notnull  CreatedDate - Notnull | **Coupon Master**  CouponId – Primary key  CouponText – Notnull  DiscountPercentage - Notnull  ExpiryDate - Notnull | **Order Master**  OrderId – Primary key  Deliverycharge– Notnull  CouponAmount– Notnull  Subtotal– Notnull  Total– Notnull  Orderdate– Notnull | **Order details**  OrderDetailsId– Primary key  OrderId – Foreign key  ItemId – Notnull  Quantity – Notnull  Total – Notnull |
|  |  |  |  |  |

Prepare store procedure to insert data in Category, Item and coupon tables.

Give proper foreign keys as mentioned above.

Prepare a store procedure that accepts two parameters (ItemId, Quantity, couponId) and give us the order details as output based on the below scenarios, coupon parameter should be optional.

1. If item is not active, then return message as “Item is not available”.
2. If the category of that item is not active, then return message as “category is not available”.
3. If item and category both are active, then only go for the further execution.
4. Create a function that will calculate the total item amount based on the quantity.
5. After you get the total item amount add delivery charges to that amount with below scenario
   1. If total item amount > 1000 then free delivery.
   2. If the total item amount is between 500 – 1000 then 50 Rs delivery charge.
   3. If the total item amounts to 500 then 80 Rs delivery charge.
6. Now check for the coupon if it is expired or not, if coupon is not expired then calculate discount based on the percentage mentioned in the coupon table.
7. Save all these data in order and order details table.
8. Select the Order and Order detail table as output for the above order.