1. Application has to accept orders for products with Product Name, Product Category, Price and order quantity.

Write program to

1. Print the product details.
2. Calculate discount as per below business rules:
   1. If Price is between 1000 and 1500, the discount is 5% if order quantity is 2 and 10% if order quantity is more than 2.
   2. If Price is between 1501 and 2000, the discount is 7.5% if order quantity is 2 and 15% if order quantity is more than 2.
   3. Beyond 2000, the discount is flat 20%.

2. In extension to above, write a program to manage 3 such orders and calculate the total discount.