E-commerce Billing System with Dynamic Pricing Strategy

Sample Input and Output

Entering Details for Shoe Alpha with product Quantity , Discount Percentage and Tax Percentage.

```
Welcome to the E-commerce Billing System.
Enter product Name (or type 'done' to finish):
Shoe Alpha
Enter product price:
1800
Enter product quantity:
2
Apply discount? (yes/no):
yes
Enter discount percentage:
4
Apply tax? (yes/no):
yes
Enter tax percentage:
2
Apply promotion? (yes/no):
no
```

Entering Details for Shirt XL with product Quantity , Discount Percentage, Tax Percentage and Promotion, The Promotion Amount is also added to the Final Bill Consolidation.

```
Enter product Name (or type 'done' to finish):
Shirt XL
Enter product price:
500
Enter product quantity:
4
Apply discount? (yes/no):
yes
Enter discount percentage:
3
Apply tax? (yes/no):
yes
Enter tax percentage:
3
Apply promotion? (yes/no):
yes
Enter promotion amount:
50
```

Entering Details for Pant Beta Premium with product Quantity ,Tax Percentage and the Final Consolidated Bill is Printed.

```
Enter product Name (or type 'done' to finish):
Pant Beta Premium
Enter product price:
1200
Enter product quantity:
2
Apply discount? (yes/no):
no
Apply tax? (yes/no):
yes
Enter tax percentage:
3
Apply promotion? (yes/no):
no
Enter product Name (or type 'done' to finish):
done
Product Description              Base Price Discount   Tax        Final Price
------------------------------------------------------------------------------
Shoe Alpha                       1800.00    144.00     72.00      3528.00
Shirt XL                         500.00     60.00      60.00      1950.00
Pant Beta Premium                1200.00    0.00       72.00      2472.00
------------------------------------------------------------------------------
Total                            7950.00
```