Unit Two Assignment One:

Write a Java project with two classes. The driver class and a Product class. The Product class has 2 instance fields; the name of the Product which is a String and the cost of the Product which is a double. This class should have a parametric constructor which initializes the instance fields. This class should also have a **public void discount(int percent)** method. It will deduct from the cost the discount passed to it as a percent. The class should also have a **public void dollarsOff(int dollars)** method. It will subtract from the cost the value passed to it as a dollar amount. The class should also have a **public void tax()** method. It will have a local constant called TAX_RATE with a value of 0.065. Using TAX_RATE, you should determine the tax on the Product and add it to the cost. This class should also have 2 accessor methods, one for each of the instance fields.

The driver class should first construct 3 Product objects as listed below:

```
Product a = new Product("Jeans", 34.95);
Product b = new Product("Sweater", 49.99);
Product c = new Product("Shoes", 99.95);
```

In each of these objects, the name of the Product is followed by its cost. Next the driver class should make the following price adjustments:

- For Product a, the purchaser has a 30% discount coupon.
- For Product b, the product has a store discount of 40% and the purchaser has a 30% discount coupon. (Store discount is taken first)
- For Product c, the purchaser has a $5 off coupon and a 30% discount coupon. ($5 off is taken first)

After all price adjustments have been made for a Product you must find the tax on that Product and add it to the cost. Your final output should look exactly like this:

```
Item: Jeans
Cost: $ 26.06

Item: Sweater
Cost: $ 22.36

Item: Shoes
Cost: $ 70.79
```