



```
1  /*
2  Cedric bought 3 cakes for a party, where each cake costs ₦350.75.
3  A 12% tax is applied to the total purchase. How much is the subtotal
4  of the cakes before tax, the tax amount, and the total cost Cedric
5  has to pay including the tax?
6  */
7
8  public class Case3Angulo {
9      public static void main(String[] args) {
10
11          final float CAKE_PRICE = 350.75f; // ₦350.75 per one cake
12          final float TAX_RATE = 0.12f; // tax rate 12%
13
14          // number of cakes bought
15          byte quantity = 3;
16
17          // total price of cake without tax
18          float subtotal = CAKE_PRICE * quantity;
19
20          // get tax amount
21          float taxAmount = subtotal * TAX_RATE;
22
23          // get total cost
24          float totalCost = subtotal + taxAmount;
25
26          System.out.println("\nPrice per cake: " + CAKE_PRICE);
27          System.out.println("Quantity: " + quantity);
28          System.out.println("Subtotal: " + subtotal);
29          System.out.println("Tax amount: " + taxAmount);
30          System.out.println("Total Cost: " + totalCost);
31      }
32  }
```

D:\0010\programming\java>javac Case3Angulo.java

D:\0010\programming\java>java Case3Angulo

```
Price per cake: 350.75
Quantity: 3
Subtotal: 1052.25
Tax amount: 126.27
Total Cost: 1178.52
```