

```

//*****
// Demonstrates the use of the NumberFormat class to format output.
//*****

import java.util.Scanner;
import java.text.NumberFormat;

public class Purchase
{
    //-----
    // Calculates the final price of a purchased item using values
    // entered by the user.
    //-----
    public static void main (String[] args)
    {
        final double TAX_RATE = 0.06; // 6% sales tax

        int quantity;
        double subtotal, tax, totalCost, unitPrice;

        Scanner scan = new Scanner (System.in);

        NumberFormat fmt1 = NumberFormat.getCurrencyInstance();
        NumberFormat fmt2 = NumberFormat.getPercentInstance();

        System.out.print ("Enter the quantity: ");
        quantity = scan.nextInt();

        System.out.print ("Enter the unit price: ");
        unitPrice = scan.nextDouble();

        subtotal = quantity * unitPrice;
        tax = subtotal * TAX_RATE;
        totalCost = subtotal + tax;

        // Print output with appropriate formatting
        System.out.println ("Subtotal: " + fmt1.format(subtotal));
        System.out.println ("Tax: " + fmt1.format(tax) + " at "
            + fmt2.format(TAX_RATE));
        System.out.println ("Total: " + fmt1.format(totalCost));
    }
}

```