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//*****
// Name: Hazem Mohamed Ahmed
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// Title: Assignment1.java
// Author: hazem Abualanin
// Time spent: 40 minutes
// Date: 10/22/2023
//*****
// Part #1 answers
/*a)error the compiler will produce
an error message stating that it cannot
find the symbol because java class name
is a case sensitive when we change it to tempConverter
it doesnot match the class declaration*/
/*b)remove the quotation mark the error encountered
an unclosed string literal in java string
literals must be enclosed in double quotation marks*/
/*c) remove semicolon at the end error illegal start
of expression in java statments ends with seicolon
removing it result in syntax error */
/*d) remove last brace in the program
error reached end of file while parsing
are used to define the scope of code blocks removing
the last brace will result in syntax error*/
/*e) no error message because changing variable name in
one place will not produce any error
it is important to ensure variable name
is updated consistently */
//part #2 answers
/*1)a)mystery has the value of (5)
b)mystery now has the value of (3)
c)mystery now has the value of (4)
2)Assume that you have the following
a)0
b)3.333
c)2
d)4.3
e)0.248
f)1
g)1
*/
//part #3 answer
import java.util.Scanner; //program uses class scanner

public class Assignment1 {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        // Ask the user for the amount of the bill
        System.out.print("Enter the amount of the bill: $");
        double billAmount = scanner.nextDouble();

        // Ask the user for the tip percentage
        System.out.print("Enter the tip percentage: ");
    }
}

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int tipPercentage = scanner.nextInt();

// Calculate the tip amount
double tipAmount = billAmount * tipPercentage / 100;

// Calculate the total amount including the tip
double totalAmount = billAmount + tipAmount;

// Print the calculated tip and total amount
System.out.println("Tip amount: $" + tipAmount);
System.out.println("Total amount (including tip): $" +
totalAmount);

    scanner.close();
}
}
```