public class TemperatureConversion {

public static void main ( String [] args )

{

// 1. declare any constants here

final double RATE = (double)5/9;

final int NUM = 32;

// 2. declare variables to store temp in Fahrenheit

int tempF = 90;

// 3. Declare variables to store the results (temp in Celcius)

int tempC;

// 4. calculate equivalent Celsius temperature and store results in

// variables created in step 3.

tempC =(int)( RATE \* ( tempF - NUM ));

// 5. output the temperature in Celsius using verbose English

// statements using Strings and String concatenation operators

System.out.println( "The temperature of " + tempF + " Fahrenhrit equals to "

+ tempC + " Celcius");

}

}

public class Circle {

public static void main ( String [] args )

{

//1. Declare any constants you would need

final double PI = 3.14159;

/\*2. Declare variables you would need to store the radius,

area and perimeter

\*/

double radius = 3.2;

double area;

double perimeter;

/\*3. Perform appropriate calculations to

calculate area and perimeter and assign it

to the variables area and perimeter created in step 2.

\*/

area = PI \* radius \* radius;

perimeter = 2 \* radius \* PI;

/\*4. Output the area and perimeter. Ensure the

output is verbose using Strings and String

concatenation operator.

\*/

// The result is too long, so I casted them to int.

System.out.println( "The area of this circle is " + (int)area

+ " square inches, and the perimeter of it is " + (int)perimeter + " inches" );

}

}

public class ElapsedTime

{

public static void main( String [] args)

{

int totalSeconds = 8732;

int hours;

int minutes;

int seconds;

// total hours included in 8732 seconds

hours = totalSeconds / (60\*60);

// total minutes in the rest of the seconds

minutes = (totalSeconds - ( hours \* 3600 )) / 60;

// the seconds left

seconds = totalSeconds % 60;

System.out.println( "8732 seconds = " + hours + ":" + minutes + ":" + seconds );

}

}

