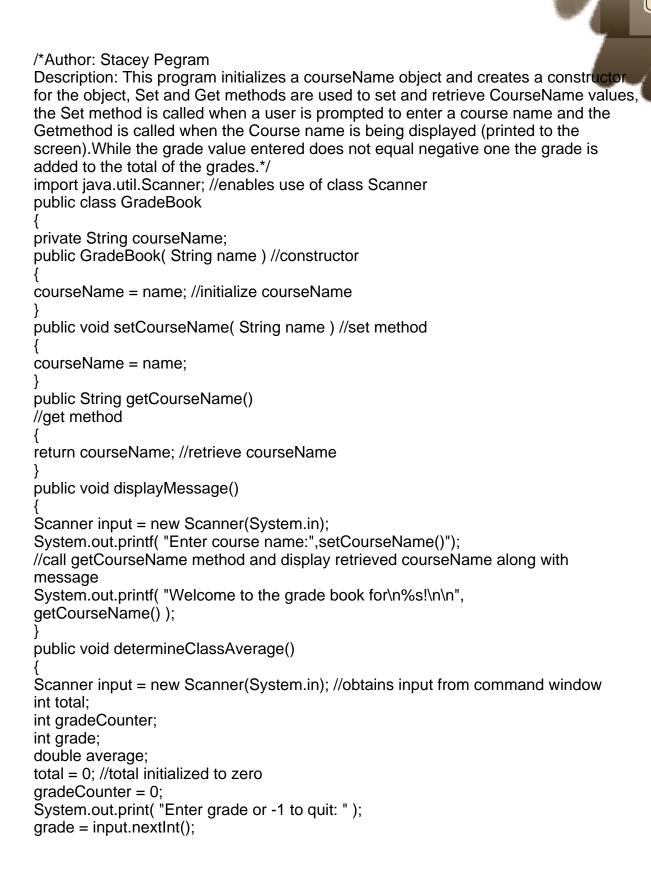
Java Examples Stacey Pegram



```
/*Author: Stacey Pegram
Description: This module initializes (Constant) objects for a public class
("Book). Private instances of the objects are declared and a constructor is used to establish
how the objects will be used. Note the arguments(or details used) for each object are
correlated with the constructor for the Book object [the order of nookTitle, and year (string data
types) and the order of the details for the constant objects are respective]. */
public enum Book
//declares six enum constants
JHTP( "Java How to Program", "2012" ),
CHTP( "C How to Program", "2007"),
IW3HTP( "Internet & World Wide Web How to Program", "2008" ),
CPPHTP( "C++ How to {Program", "2012" ),
VBHTP( "Visual Basic 2010 How to Program", "2011" ),
CSHARPHTP( "Visual C# 2010 How to Program", "2011" );
//instance variables
private final String title;
private final String copyrightYear;
//constructor
Book( String nookTitle, String year )
title = bookTitle:
copyrightYear = year;
//methods
public String getTitle()
return title;
public String getCopyrightYear()
return copyrightYear;
```





```
/*Author: Stacey Pegram
Description: This program demonstrates accepting user input from a keyboard with the
use of the java.util.Scanner class. Three individual values (with a data type of
Double) are read and the number with the highest value is found by using the maximum
method/function*/
import java.util.Scanner;
public class MaximumFinder
//prompt user for three values and determine max value from numbers input
public static void main( String[] args )
//create Scanner in order to accept input from keyboard
Scanner input = new Scanner( System.in );
//prompt user for three values
System.out.print(
"Enter three floating-point values separated by spaces: ");
double number1 = input.nextDouble(); //read first double
double number2 = input.nextDouble(); //read second double
double number3 = input.nextDouble(); //read third double
//determine the max value
double result = maximum( number1, number2, number3 ):
//display max value
System.out.println("Maximum is: " + result);
//end main
public static double maximum( double x, double y, double z )
double maximumValue = x; //designate x as initially being largest
//determine whether y is greater than maximumValue
if ( y > maximumValue )
maximumValue = y;
//determine if z is greater than maximumValue
if (z > maximumValue)
maximumValue = z; //maximum value becomes z value is this is the case
return maximumValue;
}}
```



/*Author: Stacey Pegram

Description: This program demonstrates accepting user input from a keyboard and then using the

value (will be used as Fahrenheit) within a formula that converts the

value to a Celsius value.*/

import static java.lang.System.out; import java.util.Scanner;

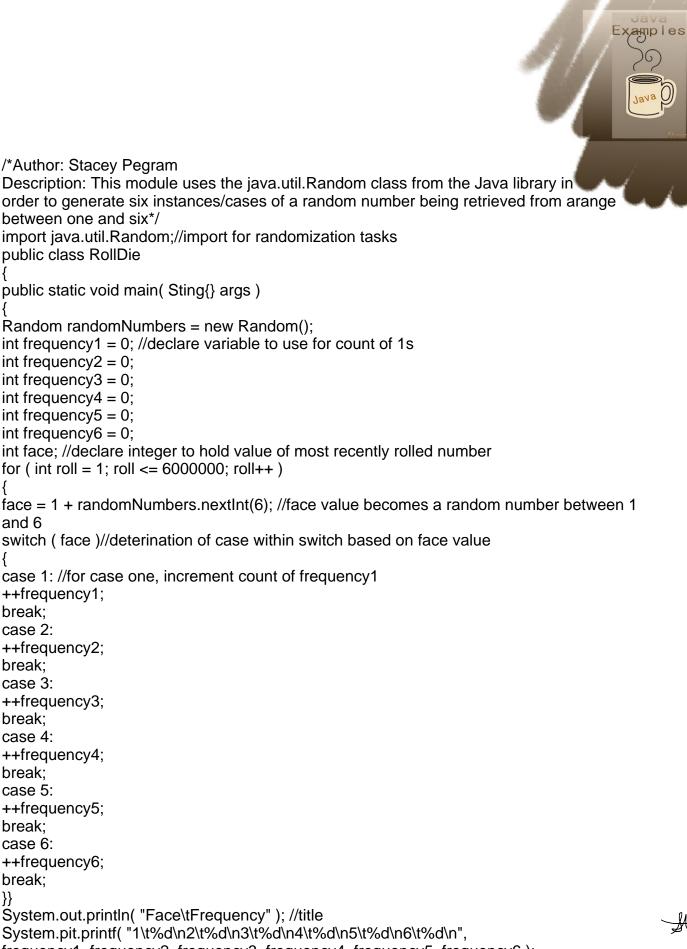
class TempConversion{
public static void main(String args[]) {
 Scanner keyboard = new Scanner(System.in);

out.print("Enter temperature in Fahrenheit to have temperature converted to Celsius or enter a zero to convert the normal human body temperature to Celsius: ");double inputTemp = keyboard.nextDouble();

double defaultTemp = 98.6

if (inputTemp == 0) {double CelsiusDefault = defaultTemp - 32 * .56 out.println("Normal human body temperature converted to Celsius is:" + CelsiusDefault)}

else {
double Celsius = inputTemp - 32 * .56
out.println("Temperature entered converted to Celsius is:" + Celsius)}



between one and six*/ import java.util.Random;//import for randomization tasks public class RollDie public static void main(Sting{} args) Random randomNumbers = new Random(); int frequency1 = 0; //declare variable to use for count of 1s int frequency2 = 0; int frequency3 = 0; int frequency4 = 0; int frequency5 = 0: int frequency6 = 0; int face; //declare integer to hold value of most recently rolled number for (int roll = 1; roll \leq 6000000; roll++) face = 1 + randomNumbers.nextInt(6); //face value becomes a random number between 1 and 6 switch (face)//deterination of case within switch based on face value case 1: //for case one, increment count of frequency1 ++frequency1; break: case 2: ++frequency2; break: case 3: ++frequency3; break; case 4: ++frequency4; break: case 5: ++frequency5; break: case 6: ++frequency6; break; System.out.println("Face\tFrequency"); //title System.pit.printf("1\t%d\n2\t%d\n3\t%d\n4\t%d\n5\t%d\n6\t%d\n", frequency1, frequency2, frequency3, frequency4, frequency5, frequency6); }}

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