AddTwo

/\*

\* Adds two given integers and prints the result in a fancy way.

\*/

public class AddTwo {

public static void main(String[] args) {

// Put your code here

int a = Integer.parseInt(args[0]);

int b = Integer.parseInt(args[1]);

int sum = a + b;

System.out.println(a + " + " + b + " = " + sum);

}

}

Coins

/\*

\* Write a program that gets a quantity of cents as a command-line argument.

\* The program prints how to represent this quantity using as many quarters as possible, plus the remainder in cents.

\*/

public class Coins {

public static void main(String[] args) {

int coins = Integer.parseInt(args[0]);

int numofquarters = (coins/25);

int numofcents = coins - (numofquarters \* 25);

System.out.println("Use " + numofquarters + " quarters and " + numofcents + " cents");

}

}

GenThree

/\*

\* Generates three random integers, each in a given range [a,b),

\* prints them, and then prints the minimal number that was genergitated.

\*/

public class GenThree {

public static void main(String[] args) {

int a = Integer.parseInt(args[0]);

int b = Integer.parseInt(args[1]);

int x = (int)(Math.random() \* (b - a)) + a;

int y = (int)(Math.random() \* (b - a)) + a;

int z = (int)(Math.random() \* (b - a)) + a;

System.out.println(x);

System.out.println(y);

System.out.println(z);

int min = Math.min(Math.min(x, y), z);

System.out.println("The minimal generated number was " + min);

}

}

LinearEq

/\*

\* Solves linear equations of the form a⋅x + b = c.

\* The program gets a, b, and c as command-line arguments,

\* computes x, and prints the result.

\* Treats the three arguments as well as the computed value as double values

\*/

public class LinearEq {

public static void main(String[] args) {

double a = Double.parseDouble(args[0]);

double b = Double.parseDouble(args[1]);

double c = Double.parseDouble(args[2]);

System.out.println(a + " \* x" + " + " + b + " = " +c);

double x = (c - b) / a;

System.out.println("x = " + x);

}

}

Triangle

/\*

\* Three sides can form a triangle if the sum of the lengths of any two sides is greater than the length of the remaining side.

\* This is known as the Triangle Inequality Theorem.

\* Write a program that tests if three given integers form a triangle.

\*/

public class Triangle {

public static void main(String[] args) {

int a = Integer.parseInt(args[0]);

int b = Integer.parseInt(args[1]);

int c = Integer.parseInt(args[2]);

int sum1 = a+b;

int sum2 = b+c;

int sum3 = a+c;

System.out.println((a + ", " + b + ", " + c + ": " )+ (sum1>c && sum2>a && sum3>b ));

}

}