

## 1. Add Two

```
public class AddTwo {  
    public static void main(String[] args) {  
        // define 2 variables from the user and sum it  
        int number1 = Integer.parseInt(args[0]) ;  
        int number2 = Integer.parseInt(args[1]) ;  
  
        int sum = number1 + number2 ;  
        System.out.println( number1 + " + " + number2 + " = " + sum ) ;  
    }  
}
```

## 2. Coins

```
public class Coins {  
    public static void main(String[] args) {  
        // Define variable from the user and Calculation it  
        int coins = Integer.parseInt(args[0]) ;  
        int quarter = 0 ;  
        int cent = 0 ;  
  
        quarter = coins/25 ;  
        cent = coins%25 ;  
        System.out.println( "Use " + quarter + " quarters and " + cent + "  
cents" ) ;  
    }  
}
```

### 3. LinearEq

```
public class LinearEq {  
    public static void main(String[] args) {  
        // define variable from the user  
        double a = Double.parseDouble(args[0]) ;  
        double b = Double.parseDouble(args[1]) ;  
        double c = Double.parseDouble(args[2]) ;  
        double x = 0.0 ;  
  
        //calculate the equations  
        x = (c-b)/a ;  
        System.out.println( a + " * x + " + b + " = " + c ) ;  
        System.out.println( "x = " + x) ;  
    }  
}
```

#### 4. Triangle

```
public class Triangle {  
    public static void main(String[] args) {  
        // define variable from the user  
        int a = Integer.parseInt(args[0]) ;  
        int b = Integer.parseInt(args[1]) ;  
        int c = Integer.parseInt(args[2]) ;  
        boolean result = false ;  
  
        //check Triangle Inequality Theorem exist  
        if ( (a+b>c) && (a+c>b) && (c+b>a) ){  
            result = true ;  
        }  
  
        System.out.println( a + ", " + b + ", " + c + ": " + result ) ;  
    }  
}
```

## 5. GenThree

```
public class GenThree {
    public static void main(String[] args) {
        // define variable from the user and check range
        int firstNum = Integer.parseInt(args[0]) ;
        int secondNum = Integer.parseInt(args[1]) ;
        int min = Math.min(firstNum, secondNum) ;
        int max = Math.max(firstNum, secondNum) ;

        // get random number between the max number to the min number
        int rand1 = (int)(Math.random()*(max - min) + min) ;
        int rand2 = (int)(Math.random()*(max - min) + min) ;
        int rand3 = (int)(Math.random()*(max - min) + min) ;

        //Checking the minimum number between randoms
        int min_1 = Math.min( rand1, rand2 ) ;
        int min_2 = Math.min( min_1, rand3 ) ;

        System.out.println(rand1) ;
        System.out.println(rand2) ;
        System.out.println(rand3) ;
        System.out.println( "The minimal generated number was " + min_2 ) ;
    }
}
```