

Transfer Study Questionnaire

For a C to Java transfer study.

Dear Students,

This is a **guessing questionnaire** about Java programming. You don't need to have knowledge about Java. We would like to understand your initial expectations about how Java works and try to find out how your previous knowledge of C affects your learning of Java.

There are 11 questions in this survey.

Introduction

On the next pages, there are 10 Java questions.

For each question, please read the given code snippets carefully and give your first guess what the code does. You should note that there could be errors in the provided code snippets. If you cannot make a guess, it is okay to write "I don't know." to skip the question.

After filling in your answers, you can click the "Next" button to move on to the next question.

Please enter your UID generated in the former survey *

Please write your answer here:

If you don't remember the UID, you can check your email.

Java Guess Questions

What will be the output of this Java program fragment?

```
int a;
```

```
a=1;
```

```
a=10.5;
```

```
System.out.println (a);
```

*

Please write your answer here:

Please briefly write what will happen if you think there are mistakes in the snippets.

What will be the output of this Java program fragment?

```
for (int i=0; i<2; i++) {  
    String var="Hello";  
    System.out.println(var);  
}  
System.out.println(var);  
*
```

Please write your answer here:

Please briefly write what will happen if you think there are mistakes in the snippets.

What will be the output of this Java program fragment?

```
int i=0;  
while (i<2) {  
    System.out.println(i);  
    i++;  
}  
*
```

Please write your answer here:

Please briefly write what will happen if you think there are mistakes in the snippets.

What will be the output of this Java program fragment?

```
String a=new String ("lab");  
String b=new String ("lab");  
System.out.println(a==b);
```

*

Please write your answer here:

Please briefly write what will happen if you think there are mistakes in the snippets.

What will be the output of this Java program fragment?

```
public class Main {  
  public static int gen(int g, int s) {  
    int a=g*2;  
    return a;  
  }  
  public static void main(String[] args) {  
    System.out.println(gen(7,3));  
  }  
}
```

*

Please write your answer here:

Please briefly write what will happen if you think there are mistakes in the snippets.

What will be the output of the following Java program fragments?

```
public class Robot {  
    String label;  
    int num;  
    public Robot(String n, int w) {  
        this.label=n;  
        this.num=w;  
    }  
    public void agga() {  
        num=num+2;  
        System.out.println(num);  
    }  
    public static void main(String []args) {  
        Robot n1=new Robot("Nori", 51);  
        Robot n2=new Robot("Alen", 22);  
        System.out.println(n1.num);  
        n2=n1;  
        n1.aggga();  
        System.out.println(n2.num);  
    }  
}
```

*

Please write your answer here:

Please briefly write what will happen if you think there are mistakes in the snippets.

What will be the output of the following Java program fragments?

```
public class Solution {
    public int[] twoSum(int[] nums, int target) {
        int n = nums.length;
        for (int i = 0; i < n - 1; ++i) {
            for (int j = i + 1; j < n; ++j) {
                if (nums[i] == target - nums[j]) {
                    return new int[]{i, j};
                }
            }
        }
        return new int[0];
    }

    public static void main(String[] args) {
        int[] numbers = {1,2,3,4,5,6};
        int target1 = 11;
        Solution s1 = new Solution();
        System.out.println(s1.twoSum(numbers, target1)[0]);
        System.out.println(s1.twoSum(numbers, target1)[1]);
    }
}
```

*

Please write your answer here:

Please briefly write what will happen if you think there are mistakes in the snippets.

What will be the output of the following Java program fragments?

```
System.out.println("hello" + "there");
```

```
System.out.println("exec" + 3);
```

*

Please write your answer here:

Please briefly write what will happen if you think there are mistakes in the snippets.

What will be the output of the following Java program fragments?

```
class PrintArray {  
    public static void main(String[] args) {  
        int[][] arr = {{1,2,3},{4,5,6},{7,8,9}};  
        printArr(arr);  
    }  
    public static void printArr(int[][] arr) {  
        for(int x=0; x < arr.length; x++) {  
            for(int y=0; y < arr[x].length; y++) {  
                System.out.print(arr[x][y]+" ");  
            }  
            System.out.println();  
        }  
    }  
}
```

Please write your answer here:

Please briefly write what will happen if you think there are mistakes in the snippets.

What will be the output of the following Java program fragments?

```
public class Student_Info {
    private String num;
    private String name;
    private int age;

    public Student_Info (String num,String name,int age) {
        this.num = num;
        this.name = name;
        this.age = age;
    }
    String getNum() {
        return num;
    }
    String getName() {
        return name;
    }
    int getAge() {
        return age;
    }
    void setAge(int age) {
        this.age = age;
    }
    public static void main(String[] args) {
        Student_Info student1 = new Student_Info("001","Max",25);

        System.out.println(student1.getNum()+" "+student1.getName()+" "+student1.getAge());
        student1.setAge(23);
        System.out.println(student1.getAge());
    }
}
```

*

Please write your answer here:

Please briefly write what will happen if you think there are mistakes in the snippets.

Thank you so much for participating!

If you have questions or feedback about this questionnaire, please contact: example email.

Submit your survey.

Thank you for completing this survey.