



**DELHI TECHNICAL CAMPUS  
GREATER NOIDA**  
*Affiliated to GGSIPU and approved by AICTE & COA*



## **Java Coding Contest**

**B.Tech CSE- 4<sup>th</sup> Semester**

**Session- 2022-23**

**Name of the Faculty: Preeti Pandey**

**Name of the Course: Java Coding Contest**

**Name of the Activity: Programming in Java**

**Students Involved: 2<sup>nd</sup> Year B.Tech CSE**

### **Event Description:**

Java Coding Contest was conducted for Computer Science and Engineering undergraduates. With the advancement of technology over the past few years, the importance of coding has dramatically increased. This contest boosts logical thinking and problem-solving skills. Around 47 students participated in the contest. Coding is a way to communicate with the computer and uses a particular language to instruct it to perform some useful functions. Coding will also open several job opportunities for them.

### **Required skills**

Basic Java Language

Data Structures

### **Out Come of the Activity**

- ❖ Students get used to working on challenging problems.
- ❖ It will prepare students well for technical interviews.
- ❖ A way to publicly demonstrate skills
- ❖ A way to focus on the fundamentals
- ❖ A way to practice fast coding

Coding Contest Link: <https://forms.gle/wpwkpgXiVAg8Atr9>



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Students participated in the Contest:

S.No.	Enrollment No.	Name of Student
1	08218002721	Supriyo Das
2	06918002721	Ayush Rawat
3	08418002721	puneet
4	10018002721	Shaurya Dadhich
5	09018002721	Diksha Nautiyal
6	08918002721	Shriyanshi
7	10518002721	Sahil Chauhan
8	07818002721	Adityan Verma
9	11218002721	Prashant Mishra
10	09818002721	Bhumika Piplani
11	09518002721	Harsh Madhavan
12	07018002721	Nikhil Sharma
13	06618002721	Hammadur Rahman
14	08618002721	Alok kumar bhakta
15	06318002721	Mukul kumar soni
16	10918002721	Jai Kumar Mishra
17	09418002721	K. Anirudh
18	11718002721	Yash Sharma
19	06218002721	Rohit Rai
20	12018002721	Hardik Katyal
21	11518002721	Riya Goyal
22	07718002721	VIVEK PADIYAR
23	06818002721	Nitesh Barman
24	08118002721	Armaan Mohammed
25	10818002721	Dibyajeet Das
26	10218002721	Saiyam Jain
27	10318002721	Vayam Dalal
28	06418002721	Inzemamul Haq
29	08018002721	Ritanshu babuta
30	11618002721	Shubhanshu Kumar Yadav
31	11818002721	Prashant Singh Panwar
32	09018002721	Diksha Nautiyal
33	36618002721	Khushi goyal
34	09818002721	Bhumika Piplani
35	36418002721	vaishali mehta
36	36318002721	Shristi Pandey
37	50118002721	Kush Prakhar
38	20918002721	Sandesh Verma



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39	20518002721	Nikhil Kumar
40	12818002721	Anjali Niranjana
41	11518002721	Riya Goyal
42	13418002721	Abhinandan Pandey
43	20318002721	Pawan Kumar Singh
44	13218002721	Prakriti
45	20418002721	Mahfooz Alam
46	20718002721	HARDIK SETHI
47	35218002721	Ashmit Pal



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**Java Coding Contest  
Delhi Technical Campus, Greater Noida  
B.Tech CSE IInd Year**

1. Name of Student \*

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2. Email Id \*

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3. Enrollment No. \*

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**1. Which is true? \***

*Mark only one oval.*

- "X extends Y" is correct if and only if X is a class and Y is an interface
- "X extends Y" is correct if and only if X is an interface and Y is a class
- "X extends Y" is correct if X and Y are either both classes or both interfaces
- "X extends Y" is correct for all combinations of X and Y being classes and/or interfaces

**2. In which of the following package Exception class exist? \***

*Mark only one oval.*

- java.util
- java.file
- java.io
- java.lang
- java.net



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**3. Which exception is thrown when divide by zero statement executes? \***

*Mark only one oval.*

- NumberFormatException
- ArithmeticException
- NullPointerException
- None of these

**4. Which keyword is used to explicitly throw an exception? \***

*Mark only one oval.*

- try
- throwing
- catch
- throw

**5. Write a Java Program to create and display a singly linked list \***

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**6. Implement Queue in Java Programming. \***

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7. What is the use of final keyword in Java? \*

Mark only one oval.

- When a class is made final, a subclass of it can not be created.
- When a method is final, it can not be overridden.
- When a variable is final, it can be assigned value only once.
- All of the above

8. **class** Base {

```
    final public void show() {  
        System.out.println("Base::show() called");  
    }  
}
```

**class** Derived **extends** Base {

```
    public void show() {  
        System.out.println("Derived::show() called");  
    }  
}
```

**class** Main {

```
    public static void main(String[] args) {  
        Base b = new Derived();  
        b.show();  
    }  
}
```

Mark only one oval.

- Base::show() called
- Derived::show() called
- Compiler Error
- Runtime Error



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9. Predict the output?

```
package main;  
class T {  
    int t = 20;  
}  
class Main {  
    public static void main(String args[]) {  
        T t1 = new T();  
        System.out.println(t1.t);  
    }  
}
```

Mark only one oval.

- 20  
 C  
 Compiler Error

10. Predict the output of following Java program \*

```
class T {  
    int t = 20;  
    T() {  
        t = 40;  
    }  
}  
class Main {  
    public static void main(String args[]) {  
        T t1 = new T();  
        System.out.println(t1.t);  
    }  
}
```

Mark only one oval.

- 20  
 40  
 Compiler Error

### Activity Screenshot:

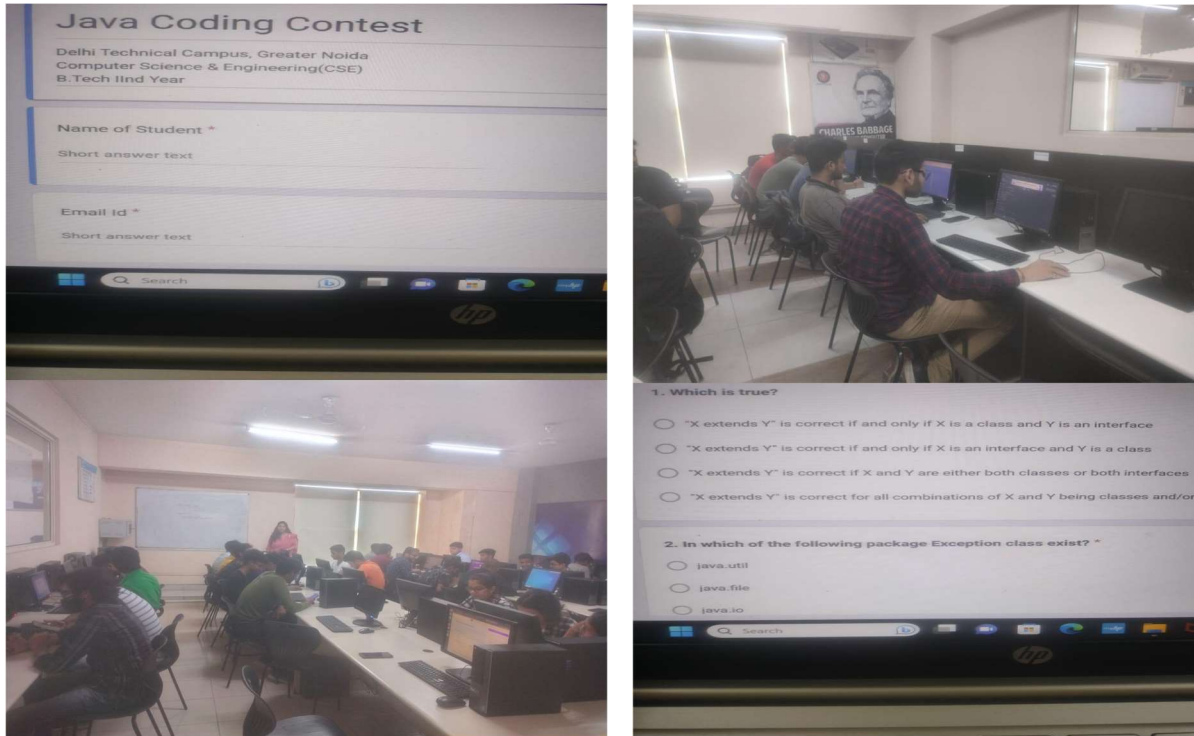


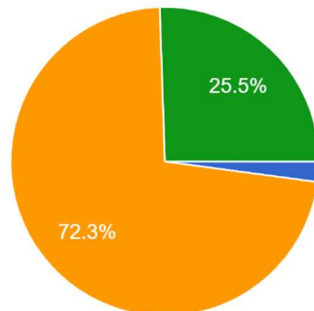
Figure: Snapshots of students giving contest on the Computer System



## Result Analysis:

1. Which is true?

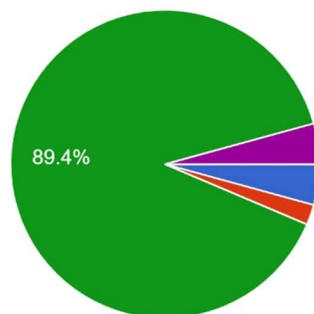
47 responses



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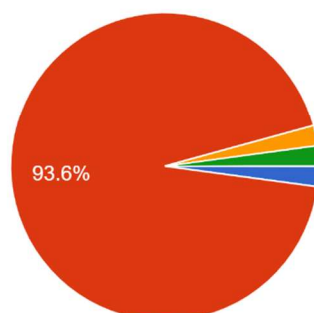
47 responses



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47 responses



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- None of these