

DAY-20(OPPS INTRO)

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What is the return type of a constructor in Java?

- ☐ void
- ☐ Constructor
- ☒ It doesn't have a return type.
- ☐ int

Correct

What is a class in Java?

- ☐ static reference
- ☐ None of above
- ☒ template or blueprint
- ☐ instance of class

Correct

Which keyword is used to create an instance of a class in Java?

☐ instance

☐ this

☐ object

☒ new

Correct

Predict the output-

```
import java.util.Scanner;

public class Student {
    String name;
    int age;
    String clgName;
    public Student(String name, int age, String clgName) {
        name = name;
        age = age;
        clgName = clgName;
    }
    @Override
    public String toString() {
        return "Student{" +
            "name=" + name + '\n' +
            ", age=" + age +
            ", clgName=" + clgName + '\n' +
            '}';
    }
    public static void main(String[] args) {
        Student s1= new Student("Pappu",69,"AllenCity");
        System.out.println(s1);
    }
}
```

☐ Student{name='null', age=0, clgName='null'}

☒ code does not compile

☐ Runtime Error

Incorrect

When an object is created, in addition to allocating memory, a special method called is executed to perform initial task.

☒ Constructor

☐ Class

☐ Function

☐ Method

Correct

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);  
    }  
}
```

- ☐ 0
- ☐ code does not compile
- ☐ 20.0

☒ 20

Correct

What is the relationship between a class and an object in Java?

- ☐ A class is an instance of an object.
- ☒ An object is an instance of a class.
- ☐ A class and an object are the same thing.
- ☐ An object inherits from a class.

Correct

Predict the output -

```
public class Student {  
    String name;  
    int age;  
    String clgName;  
    public Student(String name, int age) {  
        s1.name = name;  
        s1.age = age;  
    }  
    public static void main(String[] args) {  
        Student s1 = new Student("Pappu",69);  
        System.out.println(s1.name + " " + s1.age);  
    }  
}
```

☒ Pappu 69

☐ null 0

☐ code does not compile

☐ 0 0

Incorrect

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);  
    }  
}
```

☐ 0

☐ 40

☒ code does not compile

☐ 20

Incorrect

What is the "this" keyword used in Java?

- ☐ To access static members of the class
- ☐ To create a new instance of a class
- ☒ To refer to the current instance of the class
- ☐ To define constructors

Correct