

DAY5:

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- 1.Constructor and types
- 2.this and super
- 3.types of var
- 4.static/final

QUESTIONS (Theory)

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- 1.What is mean by constructor and types?
- 2.Explain the types of variable
- 3.Do constructors have any return type?
- 4.Syntax for creating constructor?
- 5.What are the rules for defining a constructor?
- 7.Why a return type is not allowed for constructor?
- 8.Can we declare constructor as 'private'?
- 9.Why a compiler given constructor is called as default constructor?
- 10.What is constructor chaining and how can it be achieved in Java?
- 11.Can we use this() and super() in a method?
- 12.What are the common uses of "this" keyword in java?
- 13.Types of variable?
- 14.What is meant by local variable,instance variable,class/static variable?
- 15.What is mean by static keyword in java?
- 16.Can we override static method in java?
- 17.Can we overload static method in java?
- 18.What is mean by static variable?
- 19.What is mean by static method?
- 20.What is mean by final keyword and what's happend when we declare final as in class,method,variable?
- 21.What is difference between final and finalize keyword?
- 22.Where local,static and class variables stores in jvm?

QUESTIONS (Find the below Output)

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QUESTION 1:

-----

```
package org.test;

public class A {
    public A() {
        this("JAVA");
        System.out.println("Default const...");
    }

    public A(int id) {
        this(3456.5678f);
        System.out.println(id);
    }

    public A(String name) {
        this(12);
        System.out.println(name);
    }

    public A(float sal) {
        System.out.println(sal);
    }

    public static void main(String[] args) {
        A a = new A();
    }
}
```

```

    }
}

QUESTION 2:
-----
package org.test;

public class A extends B{
    public A() {

        System.out.println("Default const...");
    }

    public static void main(String[] args) {
        A a = new A();
    }
}

package org.test;

public class B {
    public B() {
        System.out.println("Super class");
    }
}

```

```

QUESTION 3:
-----
package org.test;

public class A extends B{
    public A() {

        System.out.println("Default const...");
    }

    public static void main(String[] args) {
        A a = new A();
    }
}

package org.test;

public class B {
    public B() {
        System.out.println("Super class");
    }

    public B(int id) {
        System.out.println(id);
    }
}

```

QUESTION 4:  
-----

```
package org.test;

public class A extends B {
    public A() {
        super(12);
        System.out.println("Default const...");
    }

    public static void main(String[] args) {
        A a = new A();
    }
}
```

```
package org.test;

public class B {
    public B() {
        System.out.println("Super class");
    }

    public B(int id) {
        System.out.println(id);
    }
}
```

QUESTION 5:

-----

```
package org.test;

public class B {

    public B(int id) {
        System.out.println(id);
    }
}
```

```
package org.test;

public class A extends B {
    public A() {
        super(12);
        System.out.println("Default const...");
    }

    public static void main(String[] args) {
        A a = new A();
    }
}
```

QUESTION 6:

-----

```
package org.test;

public class A extends B {
    public A() {

        System.out.println("Default const...");
    }
}
```

```
    }  
  
    public static void main(String[] args) {  
        A a = new A();  
    }  
  
}  
  
package org.test;  
  
public class B {  
  
    public B(int id) {  
        System.out.println(id);  
    }  
  
}
```