**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:

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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:

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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:

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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:

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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:

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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:

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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);

}

}