

QUESTIONS(Find the below Output)

QUESTION 1:

```
package org.test;

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

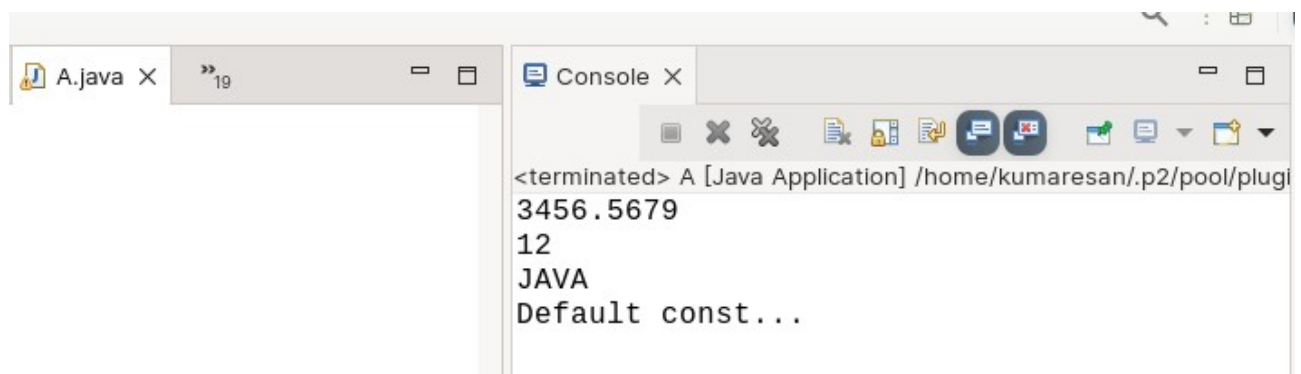
    public A(int id) {
        this(3456.5678f);
        System.out.println(id);
    }

    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();
    }
}
```

Output :-



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");  
    }  
  
}
```

Output :-



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);  
    }  
  
}
```

Output :-



QUESTION 4:

```
package org.test;

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

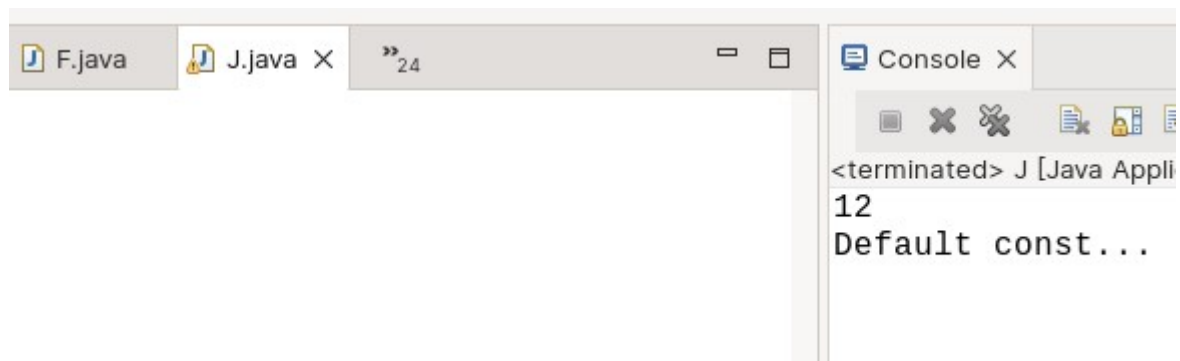
    public static void main(String[] args) {
        A a = new A();
    }
}
```

```
-----
package org.test;

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

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

Output :-



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();  
    }  
  
}
```

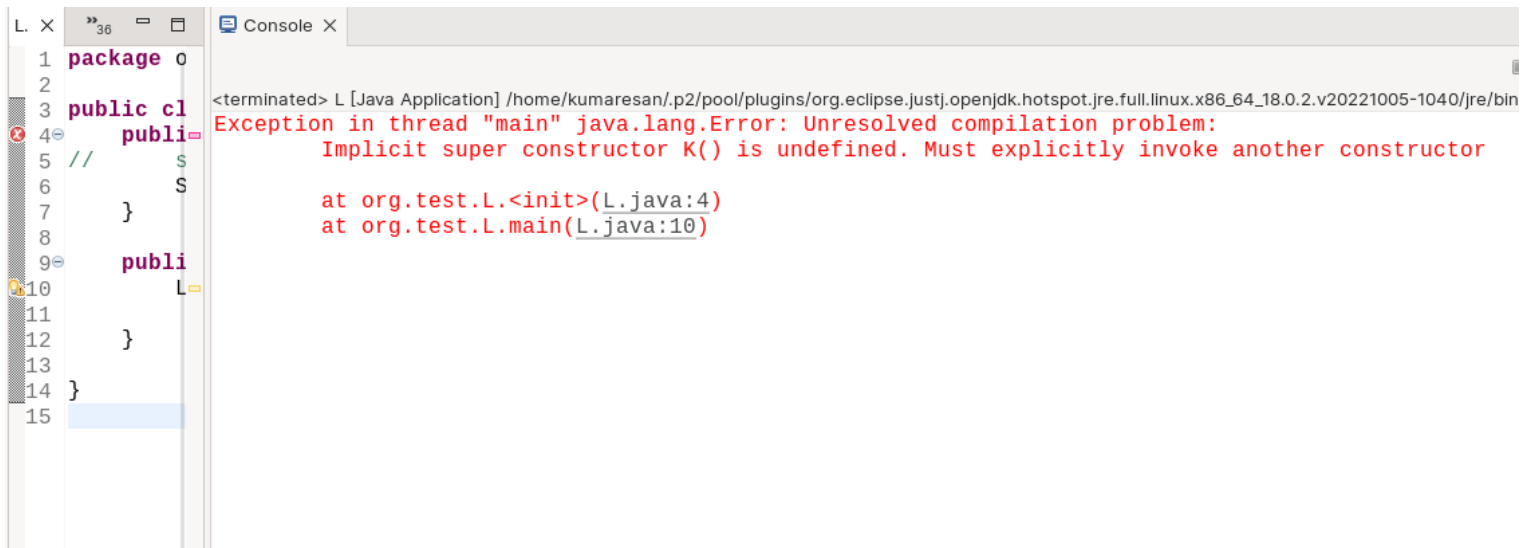
Output :-



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);  
    }  
}
```

Output :- Error throws class B constructor B() undefined.



```
L. X 36 Console X  
1 package org.test;  
2  
3 public class A extends B {  
4     public A() {  
5         //  
6         System.out.println("Default const...");  
7     }  
8  
9     public static void main(String[] args) {  
10        A a = new A();  
11    }  
12  
13 }  
14  
15  
  
<terminated> L [Java Application] /home/kumaresan/.p2/pool/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.linux.x86_64_18.0.2.v20221005-1040/jre/bin  
Exception in thread "main" java.lang.Error: Unresolved compilation problem:  
    Implicit super constructor K() is undefined. Must explicitly invoke another constructor  
    at org.test.L.<init>(L.java:4)  
    at org.test.L.main(L.java:10)
```

To fix this error call parent constructor B using super keyword in A (or) create default constructor in class B.

After fixing the issue :-

```
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();
    }
}
```

Now, the output will be -

