

QUESTION 1:

Find the answer for below questions and tell whether it is possible or not?

A-abstract class

C-class

I- interface

I implements I - Possible

I implements C - Not possible

I implements A - Not Possible

I extends I - Possible

I extends C - Not Possible

I extends A - Not Possible

C implements I - Possible

C implements C - Not Possible

C implements A - Possible

C extends I - Not Possible

C extends C - Possible

C extends A - Possible

A implements I – Not Possible

A implements C – Not Possible

A implements A – Not Possible

A extends I – Not Possible

A extends C - Possible

A extends A – Possible

QUESTION 9:

Project :BikeInformation

Package :org.bike

Interface :Bike

Methods :cost(),speed()

Class :Ktm

Methods :cost(),speed()

Description:

cost(),speed() is just a templete in Bike Interface and You have to override the method **cost(),speed()** in **Ktm** class.

Bike.java (interface) -

```
1 package org.bike;
2
3 public interface Bike {
4
5     void cost();
6     void speed();
7
8 }
9
```

<terminated> Ktm [Java Application] /home/kumaresan/.p2/pool/plugins
The bike cost is 1,50,0000
The speed of the bike is 120km speed per hour

Ktm.java(class) -

```
1 package org.bike;
2
3 public class Ktm implements Bike {
4
5     public static void main(String[] args) {
6
7         Ktm K = new Ktm();
8         K.cost();
9         K.speed();
10    }
11
12    @Override
13    public void cost() {
14        System.out.println("The bike cost is 1,50,0000");
15    }
16
17    @Override
18    public void speed() {
19        System.out.println("The speed of the bike is 120km speed per hour");
20    }
21
22 }
23
24 }
25
```

<terminated> Ktm [Java Application] /home/kumaresan/.p2/pool/plugins
The bike cost is 1,50,0000
The speed of the bike is 120km speed per hour

QUESTION 10:

Project :Computer

Interface :HardWare

Methods :hardwareResources()

Interface :Software

Methods :softwareResources()

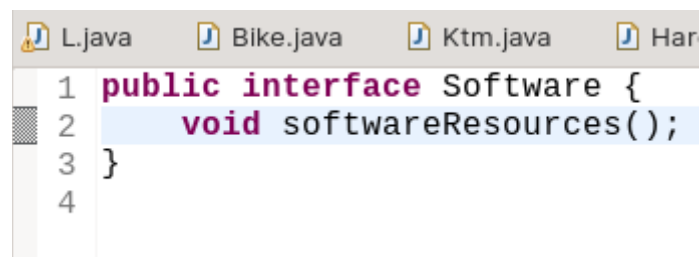
Class :Desktop

Methods :desktopModel()

Description:

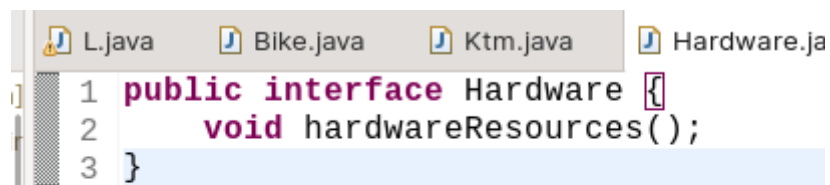
create 2 Interface and archieve multiple inheritance.

Software.java (interface) -

A screenshot of an IDE window showing the 'Software.java' file. The window title bar includes 'L.java', 'Bike.java', 'Ktm.java', and 'Har'. The code in the editor is:

```
1 public interface Software {  
2     void softwareResources();  
3 }  
4
```

Hardware.java (interface) -

A screenshot of an IDE window showing the 'Hardware.java' file. The window title bar includes 'L.java', 'Bike.java', 'Ktm.java', and 'Hardware.java'. The code in the editor is:

```
1 public interface Hardware {  
2     void hardwareResources();  
3 }
```

Desktop.java (class) -

```
1 public class Desktop implements Hardware, Software {
2
3
4     public void desktopModel() {
5         System.out.println("Desktop/OS Model :- LZ0");
6     }
7
8     public static void main(String[] args) {
9         Desktop D = new Desktop();
10        D.desktopModel();
11        D.softwareResources();
12        D.hardwareResources();
13    }
14
15    @Override
16    public void softwareResources() {
17        System.out.println("Software Resources in given model :- ");
18        System.out.println("xyz office");
19        System.out.println("xyz Image Manager");
20        System.out.println("xyz Appearance");
21        System.out.println("xyz Connect");
22    }
23
24    @Override
25    public void hardwareResources() {
26        System.out.println("Hardware Resources in given model :- ");
27        System.out.println("Monitor");
28        System.out.println("Webcam");
29        System.out.println("touchpad,keyboard");
30        System.out.println("Camera Flash");
31        System.out.println("xyz model");
32        System.out.println("xyz care z0");
33    }
34
35 }
```

```
<terminated> Desktop (1) [Java Application] /home/kumar
Desktop/OS Model :- LZ0
Software Resources in given model :-
xyz office
xyz Image Manager
xyz Appearance
xyz Connect
Hardware Resources in given model :-
Monitor
Webcam
touchpad,keyboard
Camera Flash
xyz model
xyz care z0
```