

1) Package corejava ;

Public class multipleinheritance,

{

Public static void main (String [] args)

{

System.out.println (" she is good ");

i1, i2 = new i1 ();

i1, i2.run ();

i2, i2 = new i2 ();

i2, i2.walk ();

class i1 {

int weight = 60;

int height = 175;

void run ()

{

System.out.println (" she is running ");

}}

class i2 {

int String color = "Pink";

void walk ()

{

System.out.println (" she is wearing pink colour dress ");

}

}

class i3 extends i1, i2 not possible.

```

(2) package corejava;

public class Pattern {
    public static void main (String[] args)
    {
        for (int i = 1; i <= 5; i++)
        {
            for (int j = 5; j >= i; j--)
            {
                System.out.println(" ");
            }
            for (k = 2; k <= i; k++)
            {
                System.out.println("*");
            }
        }
    }
}

```

③

```
Package corejava;  
  
Public class Abstraction  
{  
    Public static void main( String [] args)  
    {  
        sopln( " I am here " );  
        Humanbeing h1 = new Humanbeing();  
        h1. eat();  
        h1. run();  
        animal a1 = new animal();  
        a1. eat();  
        a1. run();  
        a1. drink();  
    }  
  
    void eat()  
    {  
        System.out.println( " eating " );  
    }  
  
    void run()  
    {  
        System.out.println( " running " );  
    }  
  
    abstract void drink()  
    {  
        abstract class animal extends humanbeing  
        {  
            void sleep()  
            {  
                System.out.println( " sleeping " );  
            }  
            void jump()  
            {  
                System.out.println( " jumping " );  
            }  
        }  
    }  
}
```



Package oops :

```
public class Interface1
```

```
{
```

```
    public static void main(String [] args)
```

```
    {
```

```
        System.out.println("Implementing Interface");
```

```
        Otherclass o1 = new Otherclass();
```

```
        o1.eat();
```

```
        o1.run();
```

```
        i1 i2 = new i1();
```

```
        i2.bark();
```

```
        i2.sleep();
```

```
    }
```

```
interface i1
```

```
{
```

```
    void eat();
```

```
    {
```

```
        System.out.println("eating");
```

```
    }
```

```
    void run();
```

```
    {
```

```
        System.out.println("running");
```

```
    }
```

```
Otherclass implement i1
```

```
{
```

```
    void bark()
```

```
    {
```

```
        System.out.println("barking");
```

```
    }
```

```
    void sleep()
```

```
    {
```

```
        System.out.println("sleeping");
```

```
    }
```

```
}
```