

Interface: An interface is declared by using the interface keyword. It provides total abstraction; means all the methods in an interface are declared with the empty body, and all the fields are public, static and final by default. A class that implements an interface must implement all the methods declared in the interface.

Syntax:

```
Interface <interface_name>
{
    // declare constant fields
    // declare methods that abstract
    // by default.
}
```

For Example:

```
interface printable1
{
void print();
void show();
}
class A6 implements printable1
{
public void print()
{
System.out.println("Hello");
}
public void show()
{
System.out.println("core java in computer");
}
public static void main(String args[])
{
    A6 b1 = new A6();
b1.print();
b1.show();
}
}
```

Program: Using multiple class in program.

```
interface printable
{
void print();
}
```

```
void show();
}
class A6 implements printable
{
public void print()
{
System.out.println("Hello");
}
public void show()
{
System.out.println("core java in computer");
} }
class A5 implements printable
{
public void print()
{
System.out.println("this is final java program");
}
public void show()
{
System.out.println("core java in computer program with test");
}
}
class method{
public static void main(String args[])
{
printable b1 = new A6();
b1.print();
b1.show();
printable b2=new A5();
b2.print();
b2.show();
}
}
```

Program: Using multiple class in program.

```
interface printable
{
void print();
```

```
void show();
}
class A6 implements printable
{
public void print()
{
System.out.println("Hello");
}
public void show()
{
System.out.println("core java in computer");
} }
class A5 implements printable
{
public void print()
{
System.out.println("this is final java program");
}
public void show()
{
System.out.println("core java in computer program with test");
}
}

class A7 implements printable{
    public void print()
    {
        System.out.println("this is second last class");
    }
    public void show()
{
System.out.println("core java in computer program with test");
}
}

class A8 implements printable{
    public void print()
    {
        System.out.println("this is last class");
    }
}
```

```
    }  
    public void show()  
{  
System.out.println("core java in computer program with test");  
}  
}  
class method{  
public static void main(String args[])  
{  
printable b1 = new A6();  
b1.print();  
b1.show();  
printable b2=new A5();  
b2.print();  
b2.show();  
printable b3=new A7();  
b3.print();  
b3.show();  
printable b4=new A8();  
b4.print();  
b4.show();  
}  
}
```