**Program 6: Interface**

Create a interface MyInterface1 and hold the callBack method. Create another interface Myinterface2 with inherits the MyInterface1 in different packages. Create a class MyClass1 which implement the MyInterface2 and create another class MyClass2 which implements the MyInterface1 and both classes show different methods.

**package** InterfacePackage;

**public** **interface** MyInterface1 {

**void** callBack ( **int** num ); //by default methods are public and abstract

}

**package** Interface;

**import** InterfacePackage . MyInterface1;

**interface** MyInterface2 **extends** MyInterface1 {

**public** **abstract** **void** callBack (); //by default methods are public and abstract

String display (); //by default methods are public and abstract

}

**class** MyClass1 **implements** MyInterface2 {

**public** **void** callBack ( **int** a ) {

System.***out***.println ( "myclass1 callback mtd..." + a );

}

**public** **void** callBack () {

System.***out***.println ( "method overloaded" );

}

**public** String display () {

**return** "Aniruddha";

}

}

**class** MyClass2 **implements** MyInterface1 {

**public** **void** callBack ( **int** a ) {

System.***out***.println ( "myclass2 callback mtd..." );

}

}

**public** **class** InterfaceDemo {

**public** **static** **void** main(String[] args) {

**new** MyClass1 () . callBack ( 12 );

**new** MyClass1 () . callBack ();

System.***out***.println ( **new** MyClass1 () . display () );

}

}

**Output:-**

