Code Example of Interfaces and Abstract classes

## Abstract Class

***Myclass.java***

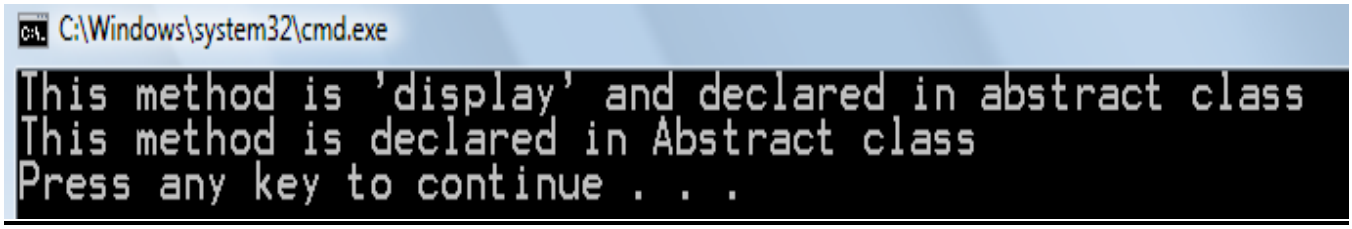
```
public abstract class Myclass{

public abstract void display();

public abstract void displaySomething();

public void show()
{System.out.println("This method is declared in Abstract class");}

}
```

## Implementation of Abstract Class

***MySubclass.java***

```
public class MySubclass extends Myclass{

        public void displaySomething()
        { System.out.println("This method is 'displaySomething' and declared in abstract class");}

        public void display()
        { System.out.println("This method is 'display' and declared in abstract class");}


public static void main(String args[]){
      MySubclass b = new MySubclass();
      b.display();
      b.show();

  }

}
```

**Output:**



Code Example of Interfaces and Abstract classes

**Interfaces:**

***MultInterfaces.java***

```
interface I1 {
  abstract void test(int i);
}


interface I2 {
  abstract void test(String s);
}



public class MultInterfaces implements I1, I2 {


  public void test(int i)    {    System.out.println("In MultInterfaces.I1.test" + " " +i);


  public void test(String s) {  System.out.println("In MultInterfaces.I2.test" +  " " +s);


  public static void main(String[] a) {
    MultInterfaces t = new MultInterfaces();
    t.test(42);
    t.test("Hello");
    }


}
```

**Output:**