

Code Example of Interfaces and Abstract classes

Abstract Class

Myclass.java

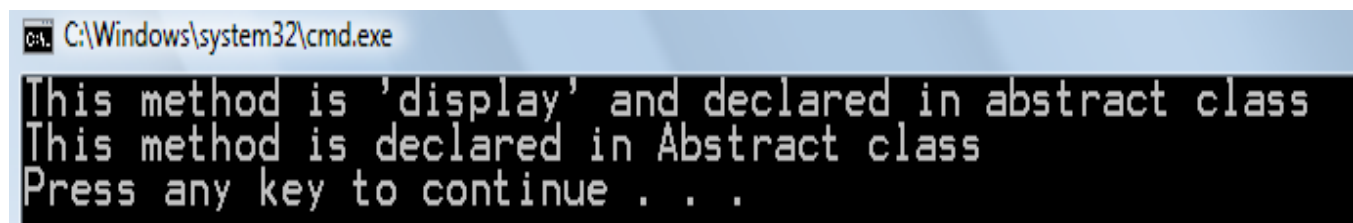
```
public abstract class Myclass{  
    public abstract void display();  
    public abstract void displaySomething();  
    public void show()  
    {System.out.println("This method is declared in Abstract class");}  
}
```

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:



The screenshot shows a Windows command prompt window with the title bar "C:\Windows\system32\cmd.exe". The command prompt displays the following output:

```
This method is 'display' and declared in abstract class  
This method is declared in Abstract class  
Press any key to continue . . .
```

Code Example of Interfaces and Abstract classes

Interfaces:

MultiInterfaces.java

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

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

public class MultiInterfaces implements I1, I2 {

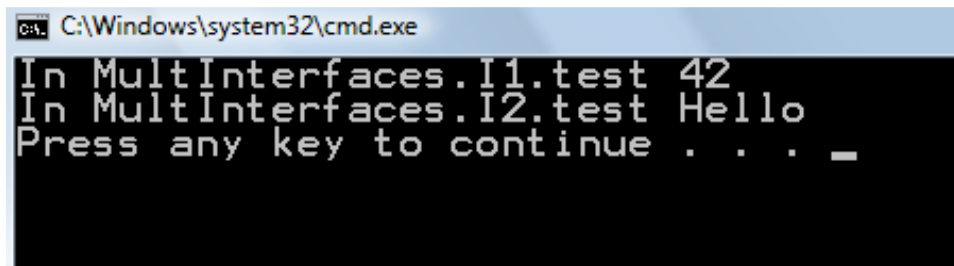
    public void test(int i)    {    System.out.println("In MultiInterfaces.I1.test" + " " +i);

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

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

}
```

Output:



C:\Windows\system32\cmd.exe

```
In MultiInterfaces.I1.test 42
In MultiInterfaces.I2.test Hello
Press any key to continue . . . _
```