

Java Concept 45

- Interface

1. Can have **only** (public) method , variables
2. If **no access** modifier then method and variable are **considered** as **public**

- Class

1. Can have **all** (public , **private** , **protected** , **default**) methods
2. If **no access** modifier then method and variable are **considered** as **default**

```
1 interface laptop
2 {
3     //public variable
4     int ram = 4;
5 }
```

```
1 class laptop
2 {
3     //default variable
4     int ram = 4;
5 }
```

```
1 //Making variable , methods public
2 //No Compile Error // No Run Error
3 interface java
4 {
5     //public variable
6     int value_default = 300;
7     //public variable
8     public int value = 200;
9
10    //public method
11    void methodDefault();
12    //public method
13    public void method();
14
15
16 }
17 public class JavaConcept
18 {
19     public static void main(String args[])
20     {
21
22     }
23 }
```

run:

BUILD SUCCESSFUL (total time: 0 seconds)

```

1 //Making variable , methods protected
2 //Compile Error // No run error
3 interface java
4 {
5     //public variable
6     int value_default = 300;
7     //protected variable
8     protected int value = 200;
9
10    //public method
11    void methodDefault();
12    //protected method
13    protected void method();
14
15
16 }
17 public class JavaConcept
18 {
19     public static void main(String args[])
20     {
21
22     }
23 }

```

Compile Error-

error: modifier protected not allowed here protected int value = 200 ;
error: modifier protected not allowed here protected void method();

```

1 //Making variable , methods private
2 //Compile Error // No Run Error
3 interface java
4 {
5     //public variable
6     int value_default = 300;
7     //private variable
8     private int value = 200;
9
10    //public method
11    void methodDefault();
12    //private method
13    private void method();
14
15
16 }
17 public class JavaConcept
18 {
19     public static void main(String args[])
20     {
21
22     }
23 }

```

Compile Error –

error: modifier private not allowed here private int value = 200;
error: modifier private not allowed here private void method();