There are four modifiers in java

1) public
2) private
3) protected
4) default

```
package pack1;
class A
{
    static int i=10;
}
```

```
package pack1;
class B
{
  static void test()
   {
     System.out.println("from test");
   }
}
```

C - Notepad

File   Edit   Format   View   Help

```
package pack1;
class C
{
  public static void main(String[ ] arg)
    {
      System.out.println(A.i);
       B.test( );
    }
}
```

Command Prompt

```
D:\intern\modifers\src>javac -d ../classes pack1/A.java pack1/B.java pack1/C.java

D:\intern\modifers\src>javac -d ../classes pack1/*.java

D:\intern\modifers\src>java -cp ../classes pack1.C3
Error: Could not find or load main class pack1.C3
Caused by: java.lang.ClassNotFoundException: pack1.C3

D:\intern\modifers\src>java -cp ../classes pack1.C
10
from test

D:\intern\modifers\src>
```

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```
package pack1;
class D
{
 static
 {
   System.out.println("D-SIB");
 }
 public static void main(String[ ] arg)
   {
      System.out.println("D-main");
   }
}
```

```
package pack1;
class D
{
  static
  {
    System.out.println("D-SIB");
  }
  public static void main(String[ ] arg)
    {
        System.out.println("D-main");
    }
}
```
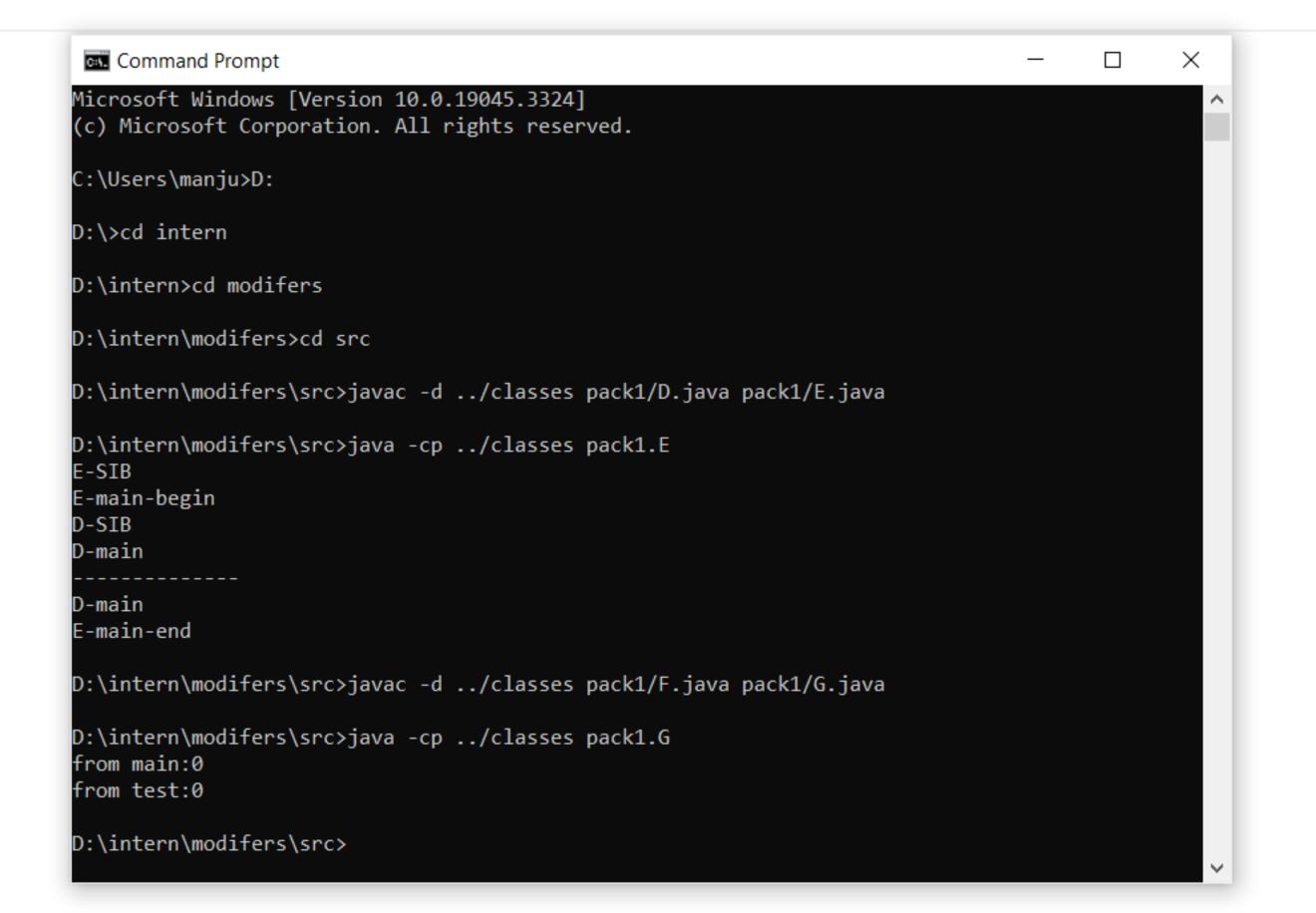
E - Notepad

File Edit Format View Help

```
package pack1;
class E
{
  static
  {
    System.out.println("E-SIB");
  }
  public static void main(String[ ] arg)
    {
        System.out.println("E-main-begin");
        D.main(null);
        System.out.println("--------------");
        D.main(null);
        System.out.println("E-main-end");
    }
}
```

Ln 1, Col 1   100%   Windows (CRLF)   UTF-8

Command Prompt

```
Microsoft Windows [Version 10.0.19045.3324]
(c) Microsoft Corporation. All rights reserved.

C:\Users\manju>D:

D:\>cd intern

D:\intern>cd modifers

D:\intern\modifers>cd src

D:\intern\modifers\src>javac -d ../classes pack1/D.java pack1/E.java

D:\intern\modifers\src>java -cp ../classes pack1.E
E-SIB
E-main-begin
D-SIB
D-main
--------------
D-main
E-main-end

D:\intern\modifers\src>
```

```
package pack1;
class G
{
  public static void main(String[ ] arg)
    {
      System.out.println("from main:"+F .i);
      F.test( );
    }
}
```

```
Microsoft Windows [Version 10.0.19045.3324]
(c) Microsoft Corporation. All rights reserved.

C:\Users\manju>D:

D:\>cd intern

D:\intern>cd modifers

D:\intern\modifers>cd src

D:\intern\modifers\src>javac -d ../classes pack1/D.java pack1/E.java

D:\intern\modifers\src>java -cp ../classes pack1.E
E-SIB
E-main-begin
D-SIB
D-main
--------------
D-main
E-main-end

D:\intern\modifers\src>javac -d ../classes pack1/F.java pack1/G.java

D:\intern\modifers\src>java -cp ../classes pack1.G
from main:0
from test:0

D:\intern\modifers\src>
```