```
package pack2;
class P
{
    int i;
    static void test(P obj)
    {
        System.out.println("test : "+obj.i);
        obj.i=20;
    }
    public static void main(String[ ] arg)
    {
        P p1=new P( );
        System.out.println("test:"+p1.i);
        p1.i=10;
        test(p1);
        System.out.println("test : "+p1.i);
        test(p1);
    }
}
```

P - Notepad
File Edit Format View Help

Ln 21, Col 4 | 100% | Windows (CRLF) | UTF-8

Command Prompt

```
    location: class P
pack2\P.java:17: error: cannot find symbol
        test(p1);
        ^
    symbol:   method test(P)
    location: class P
2 errors

D:\intern\modifers\src>javac -d ../classes pack2/P.java
pack2\P.java:15: error: cannot find symbol
        test(p1);
        ^
    symbol:   method test(P)
    location: class P
pack2\P.java:17: error: cannot find symbol
        test(p1);
        ^
    symbol:   method test(P)
    location: class P
2 errors

D:\intern\modifers\src>javac -d ../classes pack2/P.java

D:\intern\modifers\src>java -cp ../classes pack2.P
test:0
test : 10
test : 20
test : 20

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

```
package pack2;
class T
{
    int i;
    static T test( )
  {
    T  t1=new T( );
      t1.i=20;
      return  t1;
  }
   public static void main(String[ ] arg)
   {
      T obj=test( );
      System.out.println(obj.i);
   }
}
```

File Edit Format View Help

Command Prompt

```
D:\intern\modifers\src>javac -d ../classes pack2/T.java

D:\intern\modifers\src>java -cp ../classes pack2.T
20

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

Ln 14, Col 35   100%   Windows (CRLF)   UTF-8

W - Notepad

File Edit Format View Help

```
package pack2;
class W
{
    int i;
    static W test( W w1)
  {
     W  w2=new W( );
      w2.i=w1.i;
      return  w2;
  }
    public static void main(String[ ] arg)
   {
      W obj=new W( );
      obj.i=20;
      W rv=test(obj);
      System.out.println(rv.i);
   }
}
```

Ln 5, Col 23   100%   Windows (CRLF)   UTF-8

Command Prompt

```
pack2\W.java:7: error: incompatible types: T cannot be converted to W
     W  w2=new T( );
            ^
pack2\W.java:8: error: cannot find symbol
        w2.i=w1.i;
             ^
  symbol:   variable w1
  location: class W
pack2\W.java:9: error: incompatible types: W cannot be converted to T
        return  w2;
                ^
pack2\W.java:15: error: incompatible types: T cannot be converted to W
       W rv=test(obj);
                 ^
4 errors

D:\intern\modifers\src>javac -d ../classes pack2/W.java
pack2\W.java:8: error: cannot find symbol
        w2.i=w1.i;
             ^
  symbol:   variable w1
  location: class W
1 error

D:\intern\modifers\src>javac -d ../classes pack2/W.java

D:\intern\modifers\src>java -cp ../classes pack2.W
20

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

```
package pack2;
class X
{
   int i;
   static void test( X obj1,X obj2)
 {
    int  i=obj1.i;
     obj1.i=obj2.i;
     obj2.i=i;
 }
   public static void main(String[ ] arg)
  {
     X  x1=new X();
     X  x2=new X();
     x1.i=10;
     x2.i=20;
     test(x1,x2);
     System.out.println(x1.i);
     System.out.println(x2.i);
  }
}
```

Command Prompt

```
D:\intern\modifers\src>javac -d ../classes pack2/X.java
pack2\X.java:7: error: cannot find symbol
    int  i=obj1.i( );
              ^
 symbol:   method i()
 location: variable obj1 of type X
1 error

D:\intern\modifers\src>javac -d ../classes pack2/X.java

D:\intern\modifers\src>java -cp ../classes pack2.X
20
10

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

A - Notepad

File Edit Format View Help

```
package pack3;
class A
{
    A()
    {
        System.out.println("from constructor");
    }
    public static void main(String[ ] arg)
    {
        A  a1=new A();
        System.out.println("done");
    }
}
```

Ln 5, Col 7   100%   Windows (CRLF)   UTF-8

Command Prompt

```
D:\intern\modifers\src>javac -d ../classes pack2/X.java
pack2\X.java:7: error: cannot find symbol
    int  i=obj1.i( );
                ^
  symbol:   method i()
  location: variable obj1 of type X
1 error

D:\intern\modifers\src>javac -d ../classes pack2/X.java

D:\intern\modifers\src>java -cp ../classes pack2.X
20
10

D:\intern\modifers\src>javac -d ../classes pack3/A.java
pack3\A.java:11: error: package system does not exist
            system.out.println("done");
                  ^
1 error

D:\intern\modifers\src>javac -d ../classes pack3/A.java

D:\intern\modifers\src>java -cp ../classes pack3.A
from constructor
done

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

B - Notepad

File Edit Format View Help

```
package pack3;
class B
{
    B()
    {
       System.out.println("from constructor class B");
    }
    public static void main(String[ ] arg)
     {
        B  b1=new B();
        System.out.println("-----------");
        B b2=new B();
        System.out.println("done");
      }
}
```

Ln 15, Col 2   100%   Windows (CRLF)   UTF-8

Command Prompt

```
  location: variable obj1 of type X
1 error

D:\intern\modifers\src>javac -d ../classes pack2/X.java

D:\intern\modifers\src>java -cp ../classes pack2.X
20
10

D:\intern\modifers\src>javac -d ../classes pack3/A.java
pack3\A.java:11: error: package system does not exist
            system.out.println("done");
                  ^
1 error

D:\intern\modifers\src>javac -d ../classes pack3/A.java

D:\intern\modifers\src>java -cp ../classes pack3.A
from constructor
done

D:\intern\modifers\src>javac -d ../classes pack3/B.java

D:\intern\modifers\src>java -cp ../classes pack3.B
from constructor class B
-----------
from constructor class B
done

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

C - Notepad

File Edit Format View Help

```java
package pack3;
class C
{
    int i;
    C()
    {
      System.out.println("from constructor class C");
       i=10;
    }
      public static void main(String[ ] arg)
       {
          C  c1=new C( );
          System.out.println("c1.i");

       }
}
```

Ln 13, Col 39   100%   Windows (CRLF)   UTF-8

Command Prompt

```
from constructor class B
done

D:\intern\modifers\src>javac -d ../classes pack3/C.java
pack3\C.java:5: error: invalid method declaration; return type required
      B()
      ^
pack3\C.java:13: error: unclosed string literal
            System.out.println("c1.i);
                               ^
2 errors

D:\intern\modifers\src>javac -d ../classes pack3/C.java
pack3\C.java:13: error: unclosed string literal
            System.out.println("c1.i);
                               ^
1 error

D:\intern\modifers\src>javac -d ../classes pack3/C.java
pack3\C.java:13: error: unclosed string literal
            System.out.println("c1.i);
                               ^
1 error

D:\intern\modifers\src>javac -d ../classes pack3/C.java

D:\intern\modifers\src>java -cp ../classes pack3.C
from constructor class C
c1.i
```