O - Notepad

File Edit Format View Help

```java
package pack2;
class O
{

    int i;
    public static void main(String[ ] arg)
   {

     O  o1=new  O();
     O  o2=o1;
      o1.i=10;
     System.out.println(o2.i);
     o2.i=20;
     System.out.println(o1.i);


   }
}
```

Command Prompt

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

D:\intern\modifers\src>javac -d ../classes pack2/M.java
pack2\M.java:18: error: class, interface, enum, or record expected
    }
    ^
1 error

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

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

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

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

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

Ln 12, Col 32   100%   Windows (CRLF)   UTF-8

P - Notepad

File Edit Format View Help

```
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);
  }
}
```

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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);
    }
}
```

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>
```

W - Notepad

File Edit Format View Help

```java
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);
     }
}
```

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>
```

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

```
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

```java
package pack3;
class A
{

   A()
    {

      System.out.println("from constructor");

    }
      public static void main(String[ ] arg)
       {
         A  a1=new A();
          System.out.println("done");

       }

}
```

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>
```

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

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>
```

```
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");


      }

}
```

```
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
```