

```
package pack2;
```

```
class K
```

```
{
```

```
    int i;
```

```
    static
```

```
    {
```

```
        K k1=new K();
```

```
        System.out.println(k1.i);
```

```
    }
```

```
}
```

it cannot be run they have no main method

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

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

```
package pack2;
class M
{
    int i;
    public static void main(String[ ] arg)
    {
        M m1=new M();
        M m2=new M();
        System.out.println(m1.i);
        m1.i=10;
        System.out.println(m1.i);
        System.out.println(m2.i);

    }
}
```

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

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

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

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

D:\intern\modifiers\src>
```

```
package pack2;
class M
{
    int i;
    public static void main(String[ ] arg)
    {
        M m1=new M();
        M m2=new M();
        System.out.println(m1.i);
        m1.i=10;
        System.out.println(m1.i);
        System.out.println(m2.i);

    }
}
```

```
package pack2;
class M
{
    int i;
    public static void main(String[ ] arg)
    {
        M m1=new M();
        M m2=new M();
        System.out.println(m1.i);
        m1.i=10;
        System.out.println(m1.i);
        System.out.println(m2.i);

    }
}
```

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

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

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

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

D:\intern\modifiers\src>
```

```
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);

    }
}
```

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

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

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

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

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

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

D:\intern\modifiers\src>
```

```
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);
    }
}
```

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\modifiers\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\modifiers\src>javac -d ../classes pack2/P.java

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

D:\intern\modifiers\src>
```