

```
package pack2;
class A
{
    A(int i)
    {
        System.out.println("A(int)");
    }
}

class B extends A
{
    B( )
    {
        super(10);
        System.out.println("B( )");
    }
    public static void main(String[] arg)
    {
        A a1=new A(50);
        System.out.println("-----");
        B b1=new B( );
    }
}
```

```
package pack2;
class C
{
    C(int i)
    {
        System.out.println("C(int)");
    }
}

class D extends C
{
    D(int i)
    {
        super(i);
        System.out.println("D(int)");
    }

    D( )
    {
        super(10);
        System.out.println("D(int)");
    }
}

public static void main(String[ ] arg)
{
    C c1=new C(10);
    System.out.println("-----");
    D d1=new D(20);
}
```

```
Command Prompt

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

D:\intern\inheritence\src>java -cp ../classes pack2.D
C(int)
-----
C(int)
D(int)
-----
C(int)
D(int)
-----

D:\intern\inheritence\src>
```

```
package pack2;
class G
{
    G(int i)
    {
        System.out.println("G(int)");
    }

    G()
    {
        System.out.println("G()");
    }
}

class H extends G
{
    H(int i)
    {
        super();
        System.out.println("H(int)");
    }

    H()
    {
        super(10);
        System.out.println("H()");
    }
}

public static void main(String[ ] arg)
{
    H h1=new H();
    System.out.println("-----");
    H h2=new H(20);
    System.out.println("-----");
    G g1=new G(90);
    System.out.println("-----");
    G g2=new G();
}
```

Command Prompt

```
D:\intern\inheritence\src>javac -d ../classes pack2/H.java

D:\intern\inheritence\src>-cp ../classes pack2.H
'-cp' is not recognized as an internal or external command,
operable program or batch file.

D:\intern\inheritence\src>java -cp ../classes pack2.H
G(int)
H()
-----
G()
H(int)
-----
G(int)
-----
G()

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

```
package pack2;
class I
{
    I()
    {
        System.out.println("I()");
    }

    {
        System.out.println("I-IIB");
    }

    I(int X)
    {
        System.out.println("I(int)");
    }

    I(double d)
    {
        this();
        System.out.println("I(double)");
    }

    public static void main(String [] arg)
    {
        I i1=new I();
        System.out.println("-----");
        I i2=new I(20);
        System.out.println("-----");
        I i3=new I(2.0);
        System.out.println("-----");

    }
}
```

```
Command Prompt

D:\intern\inheritence\src>javac -d ../classes pack2/I.java

D:\intern\inheritence\src>java -cp ../classes pack2.I
I-IIB
I()
-----
I-IIB
I(int)
-----
I-IIB
I()
I(double)
-----

D:\intern\inheritence\src>
```