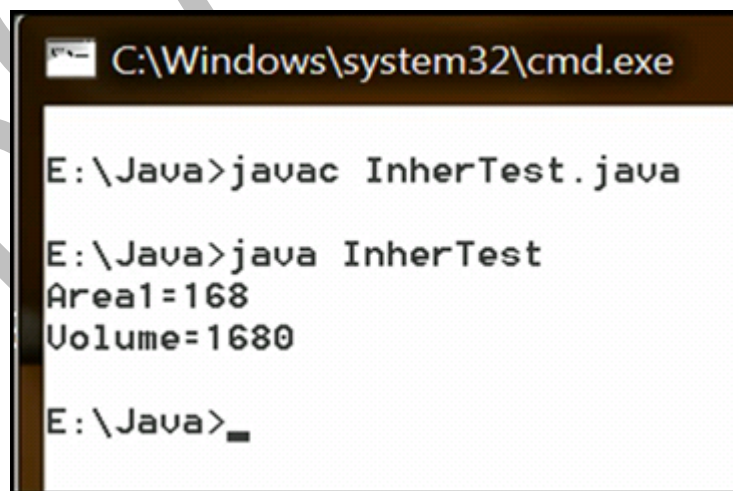


Application of single inheritance

```
class Room
{
    int length;
    int breadth;
    Room(int x, int y)
    {
        length=x;
        breadth=y;
    }
    int area()
    {
        return(length*breadth);
    }
}

class BedRoom extends Room
{
    int height;
    BedRoom(int x,int y,int z)
    {
        super(x , y);
        height=z;
    }
    int volume()
```

```
    {  
        return(length*breadth*height);  
    }  
}  
class InherTest  
{  
    public static void main (String args[])  
    {  
        BedRoom room1=new BedRoom(14,12,10);  
        int area1=room1.area( );  
        int volume1=room1.volume ( );  
        System.out.println("Area1=" + area1);  
        System.out.println("Volume=" + volume1);  
    }  
}
```



```
C:\Windows\system32\cmd.exe  
E:\Java>javac InherTest.java  
E:\Java>java InherTest  
Area1=168  
Volume=1680  
E:\Java>_
```