

## Wrapper class in Java

**Wrapper class in java** provides the mechanism *to convert primitive into object and object into primitive*.

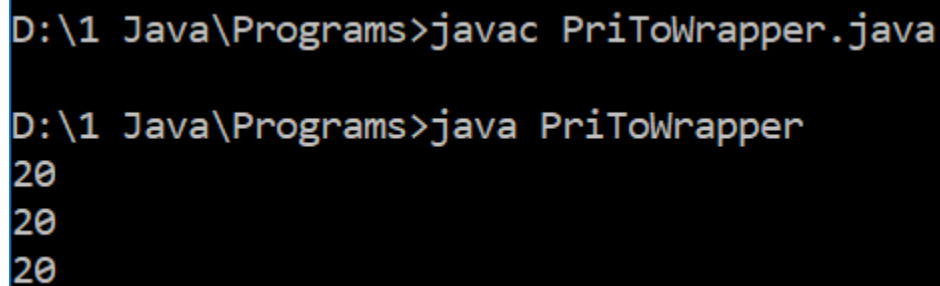
Since J2SE 5.0, **autoboxing** and **unboxing** feature converts primitive into object and object into primitive automatically. The automatic conversion of primitive into object is known as autoboxing and vice-versa unboxing.

The eight classes of *java.lang* package are known as wrapper classes in java. The list of eight wrapper classes are given below:

Primitive Type	Wrapper class
boolean	Boolean
char	Character
byte	Byte
short	Short
int	Integer
long	Long
float	Float
double	Double

## **//Example Primitive to Wrapper**

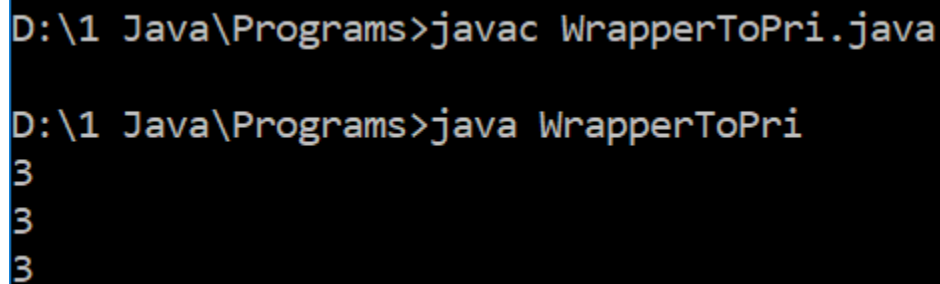
```
public class PriToWrapper{  
    public static void main(String args[]){  
        //Converting int into Integer  
        int a=20;  
        Integer i=Integer.valueOf(a);//converting int into Integer  
        Integer j=a;//autoboxing, now compiler will write Integer.valueOf(a) internally  
  
        System.out.println(a);  
        System.out.println(j);  
        System.out.println(i);  
  
    }  
}
```



```
D:\1 Java\Programs>javac PriToWrapper.java  
  
D:\1 Java\Programs>java PriToWrapper  
20  
20  
20
```

## **//Example Wrapper to Primitive**

```
public class WrapperToPri{  
    public static void main(String args[]){  
        //Converting Integer to int  
        Integer a=new Integer(3);  
        int i=a.intValue();//converting Integer to int  
        int j=a;//unboxing, now compiler will write a.intValue() internally  
  
        System.out.println(a);  
        System.out.println(i);  
        System.out.println(j);  
    }  
}
```



```
D:\1 Java\Programs>javac WrapperToPri.java  
  
D:\1 Java\Programs>java WrapperToPri  
3  
3  
3
```