# Lab Class-04


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## Section: 61_V


## method_void.java

```
   //Call static and non-static method.
 public class method_void {
   //Static method.
   static void s_method()
   {
     System.out.println("Static method");
   }
   //Non-static method.
   public void method()
   {
    System.out.println("Non-static method");
   }
   //Main method
   public static void main(String[] args)
   {
     s_method();
     method_void obj = new method_void();
     obj.method();
   }
}
```

**method_return_value.java**

```
    //Call method and return value.
  public class method_return_value {
    //Static method.
    static int s_method()
    {
        System.out.println("Static method");
        return 5;
    }
    //Non-static method.
    public int method()
    {
  System.out.println("Non-static method");
        return 10;
    }
    //Main method
    public static void main(String[] args)
    {
     method_return_value obj = new method_return_value();
        System.out.println(s_method());
        System.out.println(obj.method());
     }
}
```

**Box.java**

```
//Method overloading.
public class Box {
    int height,weight,length;
    static void area(int h,int w){
          int a=h*w;
          System.out.println("area = "+a);
     }
    static void area(int h,int w,int l){
        int a=h*w*l;
        System.out.println("volume = "+a);
     }
     void display(int h,int w,int l){
          System.out.println("Height = "+h);
          System.out.println("Weight = "+w);
          System.out.println("Length = "+l);
     }

     public static void main(String[] args) {
        Box obj =new Box();
        obj.height=10;
        obj.weight=8;
        obj.length=15;
        area(obj.height, obj.weight);
        area(obj.height, obj.weight,obj.length);
        obj.display(obj.height, obj.weight,
              obj.length);
     }
}
```