OPP LAB work – O4

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Sec: v

Static Method /Non-Static Method

```java
public class Main {
    static void method1()
    {
        System.out.println("Static Method");
    }
    void method2()
    {
        System.out.println("non-Static Method");
    }
    public static void main(String[] args) {
        method1();
        Main obj = new Main();
        obj.method2();
    }
}
```

Return

```java
public class Main {
    static int method1(int a)
    {
        //System.out.println("Static Method");
        return a;
    }
    int method2(int b)
    {
        //System.out.println("non-Static Method");
        return b;
    }
    public static void main(String[] args) {
        method1('5');
        Main obj = new Main();
        obj.method2(Integer.parseInt("10"));
    }
}
```

Overloading

```java
public class Box {
    void display(){
        int height=5, width=4, lt=8;
        int area = height*width*lt;
        System.out.println(area);

    }

    static int area(int height, int width,int length){
        int area = height*width*length;
        return area;
    }
    static int area(int length, int width){
        int area = width*length;
        return area;
    }

    public static void main(String[] args) {
        int height=5, weigth=4, length=8;

        int a1 = area(length , weigth);
        System.out.println(a1);

        int a2 = area(height, weigth, length);
        System.out.println(a2);

        Box obj = new  Box();
        obj.display();

    }
}
```