

Practical no 4: Program on constructor and method overloading

1. Constructor:

```
class Main {
    private String name;

    // constructor
    Main() {
        System.out.println("Constructor Called:");
        name = "Programiz";
    }

    public static void main(String[] args) {

        // constructor is invoked while
        // creating an object of the Main class
        Main obj = new Main();
        System.out.println("The name is " + obj.name);
    }
}
```

2. Method overloading:

```
class MethodOverloading {
    private static void display(int a){
        System.out.println("Arguments: " + a);
    }

    private static void display(int a, int b){
        System.out.println("Arguments: " + a + " and " + b);
    }

    public static void main(String[] args) {
        display(1);
        display(1, 4);
    }
}
```