

Object Oriented Programming

Prof. Fred Stiebler

BONUS

Nischal Shrestha Kasula

SS1: Initial screen, which is what you see as soon as the app is open.



```
MethodsOverload - Nischal SI × +
Method Overloads
All 16 terminal colors!!!
Color code: 31
Color code: 32
Color code: 33
Color code: 34
Color code: 35
Color code: 36
Color code: 37
Color code: 90
Color code: 91
Color code: 92
Color code: 93
Color code: 94
Color code: 95
Color code: 96
Color code: 97
Press [enter] to exit:
```

? QUESTION 1 – What is method overload?

Method Overloading allows multiple methods in the same class to have the same name but different parameter lists (number, type, or order of parameters).

? QUESTION 2 – How does Java choose the correct overloaded method?

Java picks the best match based on:

- **Exact match** with the provided arguments.
- **Type promotion** (e.g., `int` → `double`).
- **Most specific match** (choosing `String` over `Object`).
- **Error** if two methods are equally valid.