

Assignment 8 - Method Overloading

Objective:

To understand the concept of method overloading in Java, its advantages, and its practical application.

Reading Material:

- **Method Overloading in Java:**
 - Method overloading allows multiple methods in the same class to have the same name but different parameters.
 - It is a compile-time polymorphism.
 - Overloaded methods must have different parameter lists (different type, number, or both).

Exercises:

Exercise 1:

1. Create a class `Calculator` with overloaded methods `add` :

- `add(int a, int b)` : Returns the sum of two integers.
- `add(double a, double b)` : Returns the sum of two double values.
- `add(int a, int b, int c)` : Returns the sum of three integers.