

Walkthrough

This guide will help you set up and run the Java programs for array manipulation and average calculations, as described in the report.

1. File Preparation

Ensure Java source files are located in the project folder.

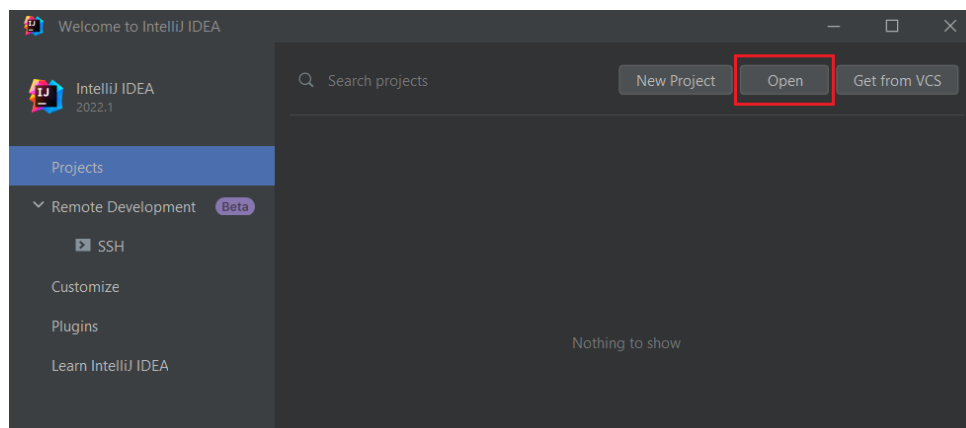
- Average_of_Grades:
 - Average_Calc.java (2D Array program for calculating averages)
- Lab1_Array_Copy_and_Enhanced_Loop:
 - CopyArray.java (Array copying demonstration)
 - EnhancedFor.java (Enhanced for loop demonstration)
 - ReferenceCopy.java (Reference copy demonstration)

2. Development Environment Setup

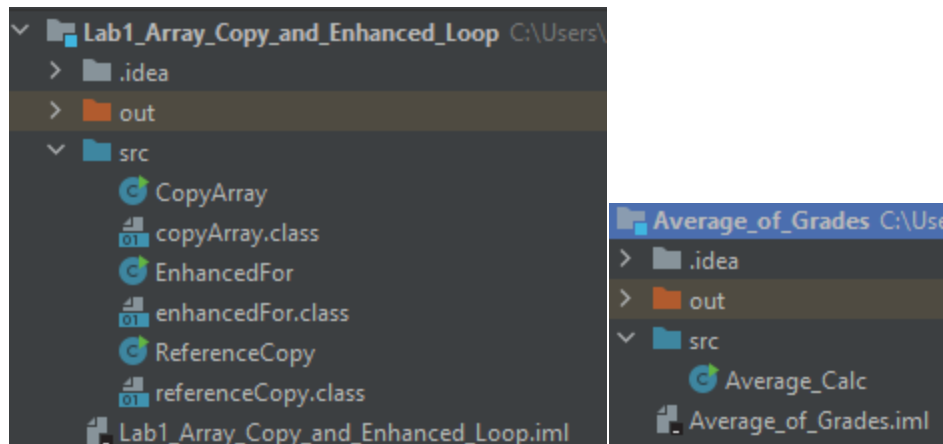
1. Install the Java Development Kit (JDK) and set up your preferred Java IDE (IntelliJ IDEA (recommended), NetBeans, Eclipse, or VS Code).
2. Create a new folder and save all three Java files in it.

3. Project Setup in IDEA

1. Open your IDE (e.g., IntelliJ IDEA).
2. Click "Open" and navigate to the folder containing the project.



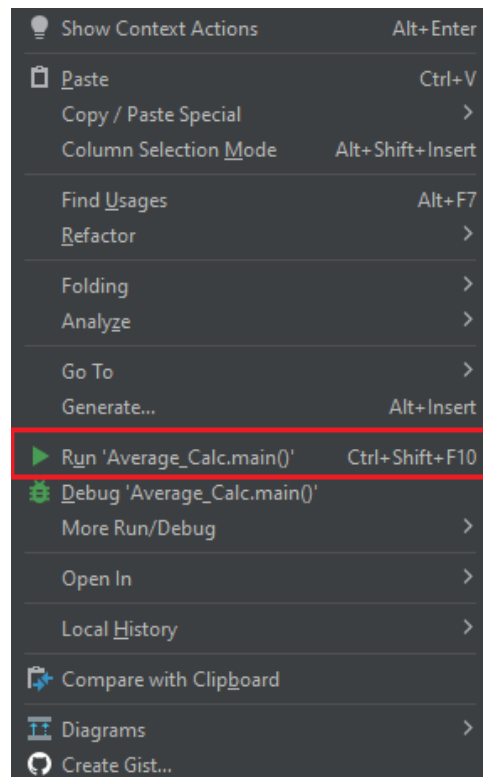
3. Select the folder and open it. The project will appear in the IDE's project section.



4. If files not opened in the window then from src click open by one.

4. Execution

1. Run the program by right-clicking on Main.java file and selecting "Run 'Average_Calc.main()'" (IntelliJ IDEA) or 'Average_Calc.main()'" (IntelliJ IDEA) or
2. You can use the shortcut Ctrl + Shift + F10.



3. By same way all files will be run
4. The console will display the program's output, including:

```
Class Average: 74.64
Math Average: 78.02
Science Average: 71.25
|
Process finished with exit code 0
```

```
The contents of array1:
200 4 6 8 10
The contents of array2:
2 4 6 8 1000

Process finished with exit code 0
```

```
The contents of array1:
200 4 6 8 1000
The contents of array2:
200 4 6 8 1000

Process finished with exit code 0
```