

Opened Terminal and moved cursor to the directory where the Matrix.cpp file lies and ran the following commands:

1. `"g++ -std=c++11 -g matrix.cpp"` to compile my file for debugging using `"-g"` flag and `"-std=c++11"` as it showed syntax errors without it.
2. `"vi Matrix.cpp"` to view my code and `"set number"` to show each line's number. Choose line 53 which is the beginning of the Main function.
3. `"lldb a.out"` to start the debug process.
4. `"breakpoint set --file matrix.cpp --line 53"` to start debugging from the first line of the main function.
5. `"run"`
6. `"next"` and view the whole main function. Noticed the Result is giving wrong output.
7. `"run"` again to start viewing the process again. `"next"` repeatedly until reaching line 65 the multiplication part.
8. `"step"` to view multiplication function.
9. `"next"` to view the logic of the function. Noticed there is a missing Plus sign where it should increment on the `"result.data[i][j]"` not just assign every time.
10. `"finish"` to exit multiply function.
11. `"quit"` and went into `"vi Matrix.cpp"` editing mode.
12. Press `"i"` to edit. Navigated to my desired part and edited it

Line 43:

```
from result.data[i][j] = data[i][k] * other.data[k][j];  
to    result.data[i][j] += data[i][k] * other.data[k][j];
```

13. Press ESC. Write `":wq"` to save edited code and quit edit mode.
14. Repeat steps from 1 -> 6. Output is Correct. Terminate session.