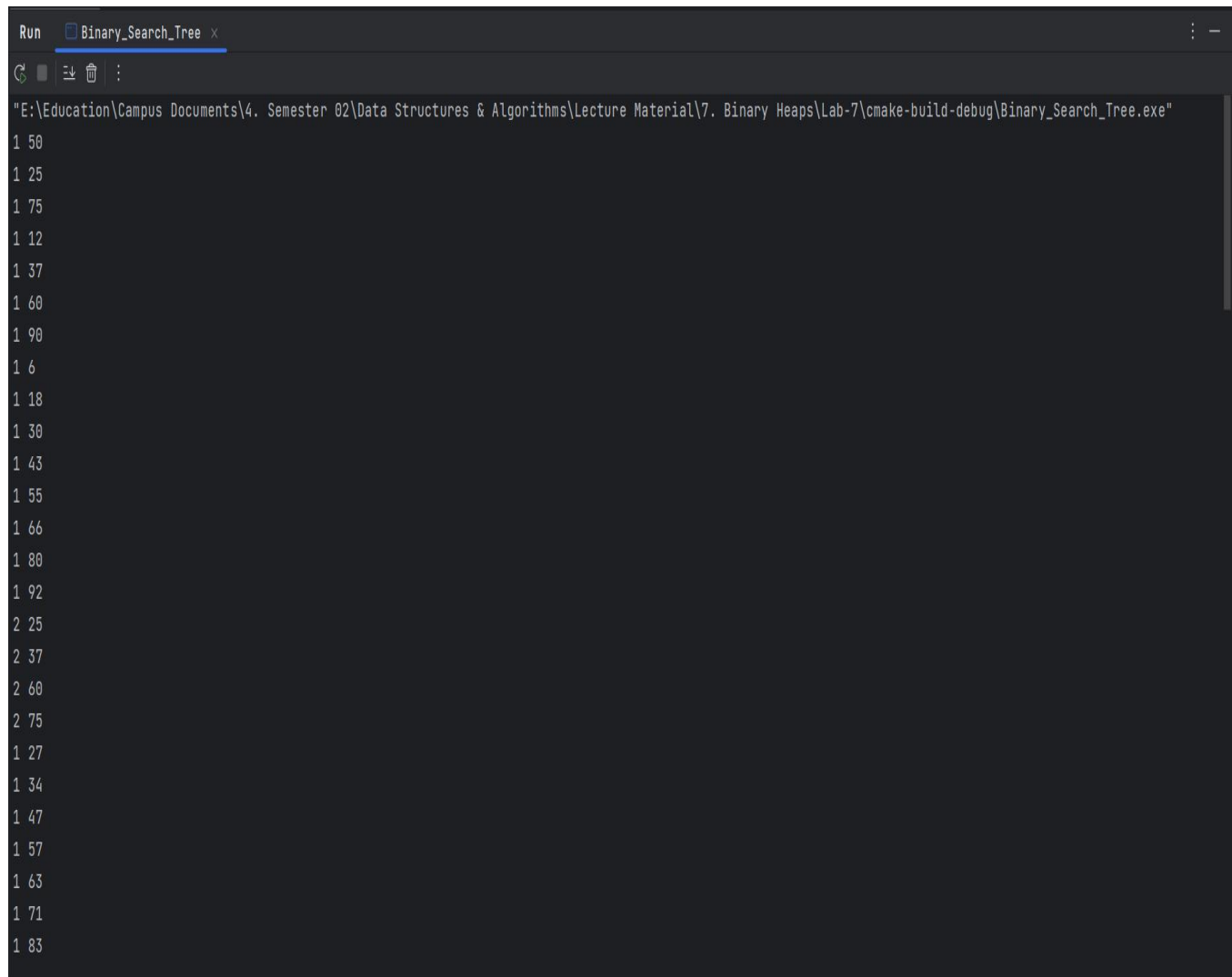# In-class Assignment 4

M. D. B. Perera - 210465P

Exercise:

Link to the github repository:
https://github.com/DulinaPerera/Lab-Work/blob/main/Lab-7/main.cpp

- I inputted 100 line input & here is the result.

```
Run    Binary_Search_Tree  x

"E:\Education\Campus Documents\4. Semester 02\Data Structures & Algorithms\Lecture Material\7. Binary Heaps\Lab-7\cmake-build-debug\Binary_Search_Tree.exe"
1 50
1 25
1 75
1 12
1 37
1 60
1 90
1 6
1 18
1 30
1 43
1 55
1 66
1 80
1 92
2 25
2 37
2 60
2 75
1 27
1 34
1 47
1 57
1 63
1 71
1 83
```

```
1 96
2 50
2 90
1 14
1 22
1 33
1 45
1 58
1 68
1 81
1 93
2 55
2 66
2 80
1 99
1 11
1 24
1 36
1 49
1 59
1 65
1 79
1 91
2 18
2 43
2 63
2 71
```

```
1 15
1 23
1 35
1 46
1 56
1 67
1 82
1 94
2 27
2 34
2 47
2 57
1 61
1 73
1 87
1 98
2 96
2 68
2 81
2 14
2 22
2 33
2 45
1 51
1 62
1 76
1 89
```

```
Run    Binary_Search_Tree  x
C  ■  ⊻ 🗑  :
2 11
2 24
2 36
2 49
2 59
2 65
2 79
2 91
2 15
2 23
2 35
2 46
2 56
2 67
2 82
2 94
2 61
2 73
2 87
2 98
2 51
2 62
2 76
2 89
-1
6 12 30 58 83 92 93 99
```

● **I also received the desired output for the input in the lab sheet.**

```
Run    Binary_Search_Tree  x
C  ■  ⊻ 🗑  :
"E:\Education\Campus Documents\4. Semester 02\Data Structures & Algorithms\Lecture Material\7. Binary Heaps\Lab-7\cmake-build-debug\Binary_Search_Tree.exe"
1 1
1 2
1 3
1 4
1 5
1 6
2 3
-1
1 2 4 5 6

Process finished with exit code 0
```