NUST CHIP DESIGN CENTRE

C / C++ Programming
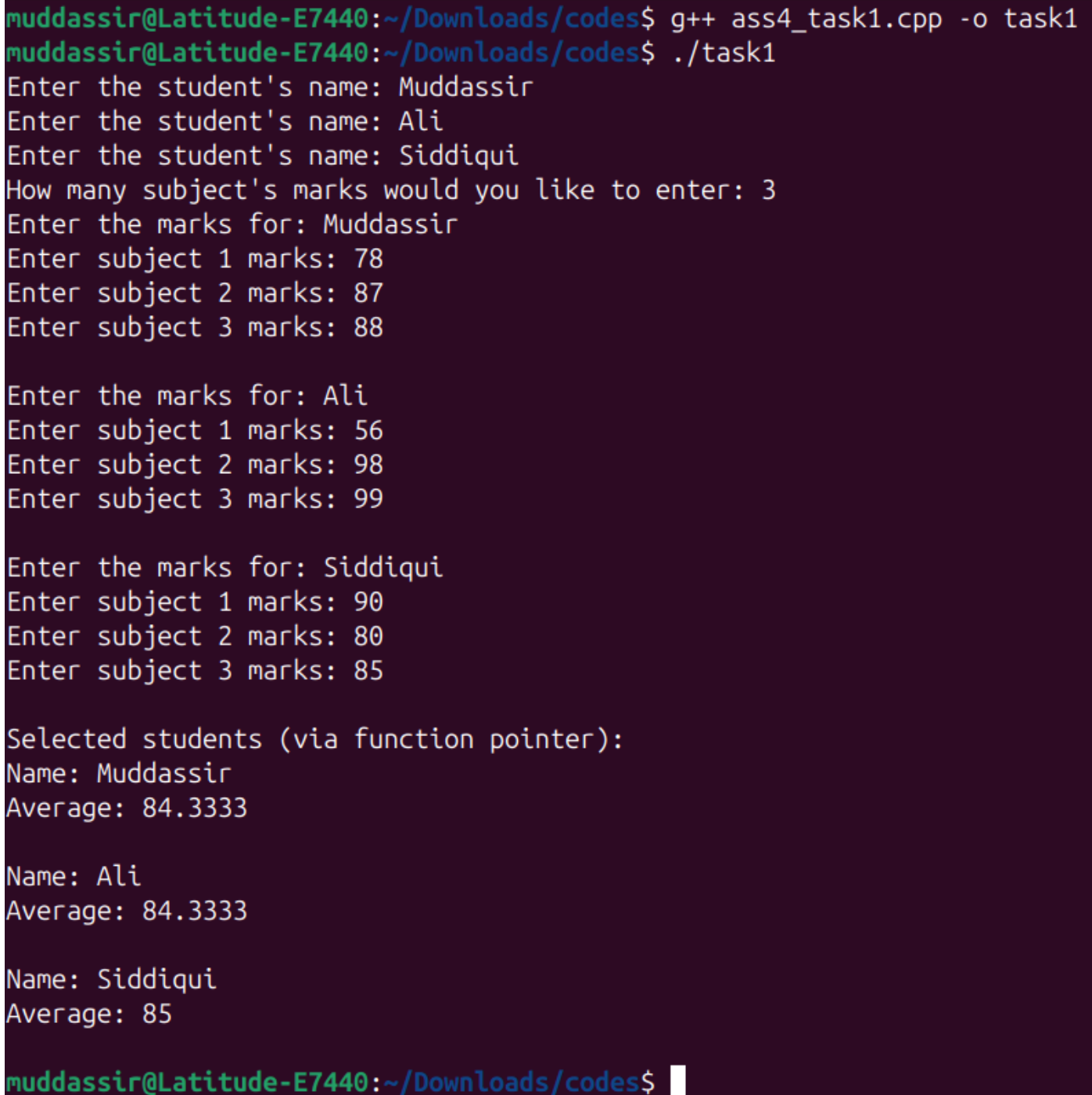
Assignment # 4
Friend class and friend functions, Lambdas

Name	*Muddassir Ali Siddiqui*
Instructor	*Hira Sohail*
Date	*25th July 2025*

1. In-Lab Tasks: (*Write your lab task & screenshots here*)

i. Task 1:

```
muddassir@Latitude-E7440:~/Downloads/codes$ g++ ass4_task1.cpp -o task1
muddassir@Latitude-E7440:~/Downloads/codes$ ./task1
Enter the student's name: Muddassir
Enter the student's name: Ali
Enter the student's name: Siddiqui
How many subject's marks would you like to enter: 3
Enter the marks for: Muddassir
Enter subject 1 marks: 78
Enter subject 2 marks: 87
Enter subject 3 marks: 88

Enter the marks for: Ali
Enter subject 1 marks: 56
Enter subject 2 marks: 98
Enter subject 3 marks: 99

Enter the marks for: Siddiqui
Enter subject 1 marks: 90
Enter subject 2 marks: 80
Enter subject 3 marks: 85

Selected students (via function pointer):
Name: Muddassir
Average: 84.3333

Name: Ali
Average: 84.3333

Name: Siddiqui
Average: 85

muddassir@Latitude-E7440:~/Downloads/codes$ 
```