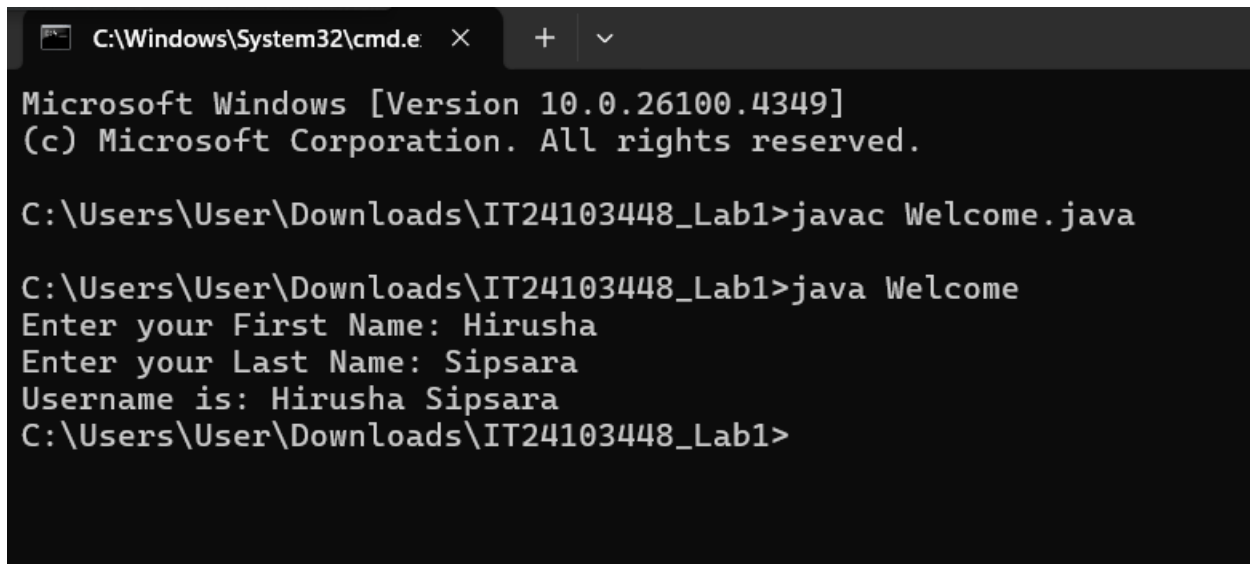


Q1.



```
C:\Windows\System32\cmd.e  ×  +  ∨  
Microsoft Windows [Version 10.0.26100.4349]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\User\Downloads\IT24103448_Lab1>javac Welcome.java  
  
C:\Users\User\Downloads\IT24103448_Lab1>java Welcome  
Enter your First Name: Hirusha  
Enter your Last Name: Sipsara  
Username is: Hirusha Sipsara  
C:\Users\User\Downloads\IT24103448_Lab1>
```

Q2 & Q3

```
C:\Windows\System32\cmd.e  X  +  v

Microsoft Windows [Version 10.0.26100.4349]
(c) Microsoft Corporation. All rights reserved.

C:\Users\User\Downloads\IT24103448_Lab1>javac Marks.java

C:\Users\User\Downloads\IT24103448_Lab1>java Marks
Enter your number of Students: 3
Options:
1.Add (add)
2.Update (update)
3.Average of a Subject (average_s)
4.Average for a Student (average)
5.Total mark of a Student (total)
6.Calculate Grades (grades)
7.Exit (exit)
Enter ther Option: add
Enter Student ID: 1
Enter Maths Marsks: 80
Enter Chemistry Marsks: 90
Enter Physics Marsks: 100
Enter ther Option: add
Enter Student ID: 2
Enter Maths Marsks: 60
Enter Chemistry Marsks: 70
Enter Physics Marsks: 80
Enter ther Option: add
Enter Student ID: 3
Enter Maths Marsks: 10
Enter Chemistry Marsks: 20
Enter Physics Marsks: 30
Enter ther Option: update
Enter Student ID: 3
Enter Subject ID: 1
Enter new mark: 15
Mark updated for student 3 in subject 1
Enter ther Option: average_s
Enter subject ID: 1
Average for subject 1: 51.67
Enter ther Option: average
Enter Student ID: 3
Average for student 3: 21.67
```



C:\Windows\System32\cmd.e



```
Enter Physics Marks: 30
Enter ther Option: update
Enter Student ID: 3
Enter Subject ID: 1
Enter new mark: 15
Mark updated for student 3 in subject 1
Enter ther Option: average_s
Enter subject ID: 1
Average for subject 1: 51.67
Enter ther Option: average
Enter Student ID: 3
Average for student 3: 21.67
Enter ther Option: total
Enter Student ID: 1
Total marks for student 1: 270
Enter ther Option: grades
```

Grades Summary:

```
-----
StudentID  Math          Chemistry    Physics
-----
1          Grade B       Grade A      Grade A
2          Grade D       Grade C      Grade B
3          Fail         Fail         Fail
-----
```

```
Enter ther Option: Exit
Invalid command. Please try again.
Enter ther Option: exit
```

C:\Users\User\Downloads\IT24103448_Lab1>