

```
Activities Terminal Mar 20 4:29 PM student@ai-lab-system02: ~/Desktop/422102/Java/lab1

student@ai-HP-ProDesk-600-G4-MT:~$ ssh student@172.50.14.33
student@172.50.14.33's password:
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.11.0-43-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

563 updates can be applied immediately.
466 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

New release '22.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Your Hardware Enablement Stack (HWE) is supported until April 2025.
Last login: Wed Mar 20 16:08:22 2024 from 172.50.14.30
(base) student@ai-lab-system02:~$ ls
420155_Mysql  ass1.c          file1.txt       nani.class      snap            xae
9211621.py   Desktop         file2.txt       nani.java       Templates       xaf
a            Documents      file3.txt       Music           utslab_420155  xag
a.c          Downloads     flrst.c        output2.txt     Videos
a.cpp        dsa           hello          output.txt      xaa
anaconda3    eclipse        hello.c        Pictures        xab
a.out        eclipse-workspace main.class     Public          xac
a.py         err_det.py     main.java      __pycache__     xad
(base) student@ai-lab-system02:~$ cd Desktop
(base) student@ai-lab-system02:~/Desktop$ cd 422102
(base) student@ai-lab-system02:~/Desktop/422102$ cd java
-bash: cd: java: No such file or directory
(base) student@ai-lab-system02:~/Desktop/422102$ ls
DBMS  DBMS.sql  Java
(base) student@ai-lab-system02:~/Desktop/422102$ cd Java
(base) student@ai-lab-system02:~/Desktop/422102/Java$ ls
lab1
(base) student@ai-lab-system02:~/Desktop/422102/Java$ cd lab1
(base) student@ai-lab-system02:~/Desktop/422102/Java/lab1$ ls
main.class  main.java
(base) student@ai-lab-system02:~/Desktop/422102/Java/lab1$ javac main.java
main.java:3: error: package system does not exist
    system.out.println("Hello Akhilesh");
    ^
1 error
(base) student@ai-lab-system02:~/Desktop/422102/Java/lab1$ javac main.java
(base) student@ai-lab-system02:~/Desktop/422102/Java/lab1$ java main.java
Error: Could not find or load main class main.java
```

```
(base) student@ai-lab-system02:~/Desktop/422102/Java/lab1$ ls
1Q.java  Factorial.java  main.class  main.java  Q1.class  Q1.java
(base) student@ai-lab-system02:~/Desktop/422102/Java/lab1$ javac Factorial.java
(base) student@ai-lab-system02:~/Desktop/422102/Java/lab1$ java Factorial
Factorial of 5 is: 120
(base) student@ai-lab-system02:~/Desktop/422102/Java/lab1$ █
```

```
(base) student@ai-lab-system02:~/Desktop/422102/Java/lab1$ javac Q1.java
(base) student@ai-lab-system02:~/Desktop/422102/Java/lab1$ java Q1
The first 10 natural numbers are:
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```
1
2
3
4
5
6
7
8
9
10
```

```
(base) student@ai-lab-system02:~/Desktop/422102/Java/lab1$ java main
Hello Akhilesh
(base) student@ai-lab-system02:~/Desktop/422102/Java/lab1$
```