## LAB 1

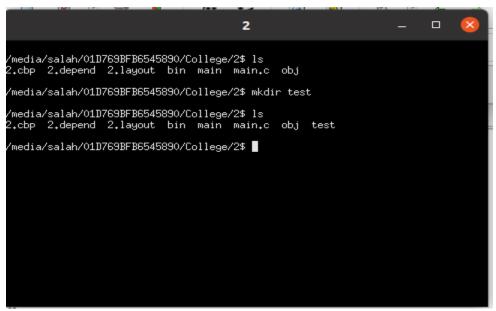
NAME	Salah El-Din Ahmed Muhammed El-Sayed El-tenehy.
ID	19015854

## 1. Description:

- a. Main function consists of an infinite loop.
- b. There are different functions the most important one is "shell()".
- c. Shell function check if the instruction is "exit, echo, export, cd" it will perform the task needed for it otherwise send the instruction and the command(s) related to is to "execvp" function.
- d. Split function:
  - i. To split the input into instruction and related commands e.g.
    "Is -a -l -h" the instruction is "Is" and related commands "-a -l -h".
- e. Is Contain function:
  - i. Search in the string for the specified character and return true or false. e.g. ('m', "ahmed") return true and index of 'm' in "ahmed".

f.

## 2. Sample Runs:



a.



