



King Abdulaziz University -Faculty of Engineering
Dept. of Electrical and Computer
Engineering



Lab #1

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Part 1:

a-trying add.c file

```
Linux lamp 4.19.0-8-amd64 #1 SMP Debian 4.19.98-1+deb10u1 (2020-04-27) x86_64
Last login: Sat Mar 25 04:46:44 2023 from 192.168.56.1
root@lamp ~# vim add.c
-bash: vim: command not found
root@lamp ~# Error writing session log (raw mode) to file: putty.log
root@lamp ~# g++ add.c -o add
add.c:3:33: error: '::main' must return 'int'
   void main(int argc, char *argv[]) {
                                   ^
root@lamp ~# cat add.c
#include <stdlib.h>
#include <stdio.h>
void main(int argc, char *argv[]) {
    int a,b,c;
    a=atoi(argv[1]);
    b=atoi(argv[2]);
    printf("a,b = %d %d \n", argv[1], argv[2]);
    c=a+b;
    printf(" c = %d \n",c);
}root@lamp ~# vim add.c
-bash: vim: command not found
root@lamp ~# vim add.c

[1]+  Stopped                  vim add.c
root@lamp ~# gcc add.c -o add
root@lamp ~# ./add 1076 764
a,b = -243021759 -243021754
c = 1840
root@lamp ~#
```

adding new username-b

```
root@lamp ~# adduser nawaf
Adding user `nawaf' ...
Adding new group `nawaf' (1000) ...
Adding new user `nawaf' (1000) with group `nawaf' ...
Creating home directory `/home/nawaf' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for nawaf
Enter the new value, or press ENTER for the default
Full Name []:
```

c-login with new user

```
root@lamp ~# login
lamp login: nawaf
Password:
Last login: Sat Mar 25 06:10:48 +03 2023 on pts/1
  File "/usr/bin/tklbam-status", line 62
    except getopt.GetoptError, e:
        ^
SyntaxError: invalid syntax
Welcome to Lamp, TurnKey GNU/Linux 16.0 (Debian 10/Buster)

System information for Sat Mar 25 20:13:34 2023 - +03 (UTC+0300)

System load:  0.00           Memory usage:  44.1%
Processes:    98             Swap usage:     0.0%
Usage of /:   13.9% of 16.61GB  IP address for eth0: 192.168.56.101

For Advanced commandline config run:    confconsole

For more info see: https://www.turnkeylinux.org/docs/confconsole

Linux lamp 4.19.0-8-amd64 #1 SMP Debian 4.19.98-1+deb10u1 (2020-04-27) x86_64
nawaf@lamp ~$ █
```

Part 2

Tutorial One

Exercise 1a , 1b

```
For more info see: https://www.turnkeylinux.org

Linux lamp 4.19.0-8-amd64 #1 SMP Debian 4.19.98-1
nawaf@lamp ~$ ls -a
-bash: ls: command not found
nawaf@lamp ~$ ls -a
.      .bash_history  .bashrc      .penv        .profile
..     .bash_logout    .bashrc.d    .profile     .sdirs
nawaf@lamp ~$ ls
nawaf@lamp ~$ ls -a
.      .bash_history  .bashrc      .penv        .profile
..     .bash_logout    .bashrc.d    .profile     .sdirs
nawaf@lamp ~$ mkdir unixstuff^C
nawaf@lamp ~$ mkdir unixstuff
nawaf@lamp ~$ ls
-bash: ls: command not found
nawaf@lamp ~$ ls
unixstuff
nawaf@lamp ~$ cd unixstuff
nawaf@lamp ~/unixstuff$ ls
nawaf@lamp ~/unixstuff$ mkdir backups
nawaf@lamp ~/unixstuff$ ls
backups
nawaf@lamp ~/unixstuff$ ls -a
.  ..  backups
nawaf@lamp ~/unixstuff$ cd .
nawaf@lamp ~/unixstuff$ cd ..
nawaf@lamp ~$ cd unixstuff
nawaf@lamp ~/unixstuff$ pwd
/home/nawaf/unixstuff
nawaf@lamp ~/unixstuff$
```

Tutorial Two

Exercise 2a

```
nawaf@lamp ~/unixstuff$ cat > science.txt
my name nawaf alharbi
nawaf@lamp ~/unixstuff$ cd
```

```
nawaf@lamp ~$ cd
nawaf@lamp ~$ cd science.bak
nawaf@lamp ~/science.bak$ cp ~/unixstuff/science.txt .
cp: cannot stat '/home/nawaf/unixstuff/science.txt': No such file or directory
nawaf@lamp ~/science.bak$ cp ~/unixstuff/science.txt
cp: missing destination file operand after '/home/nawaf/unixstuff/science.txt'
Try 'cp --help' for more information.
nawaf@lamp ~/science.bak$ cp ~/unixstuff/science.txt .
nawaf@lamp ~/science.bak$ ls
science.txt
nawaf@lamp ~/science.bak$
```

Exercise 2b

```
science.bak  unixstuff
nawaf@lamp ~$ mkdir nawaf
nawaf@lamp ~$ ls
nawaf  science.bak  unixstuff
nawaf@lamp ~$ rmdir nawaf
nawaf@lamp ~$ ls
science.bak  unixstuff
nawaf@lamp ~$
```