



King Abdulaziz University
Faculty of Engineering
Department of Electrical and Computer Engineering
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EE463 – Operating System

LAB : 01

Name	ID
Abdulrahman Bakhsh	1936878

Part 1:

A. Running add.c file :

```
8 baksh@lamp ~$ g++ add.c -o add
g++: error: add.c: No such file or directory
g++: error: add: No such file or directory
9 g++: error: unrecognized command line option '-o'
g++: fatal error: no input files
compilation terminated.
baksh@lamp ~$ login
1 login: Cannot possibly work without effective root
baksh@lamp ~$ exit
logout
root@lamp ~# g++ add.c -o add
add.c:2:10: fatal error: studio.h: No such file or director
1 y
#include <studio.h>
      ^~~~~~
1 compilation terminated.
root@lamp ~#
```

After editing the file :

```
root@lamp: /root
#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);
1 }
~
~
~
```

Two error cause of the file type is c not c++ :change in the code the following : g++ change it to gcc

```
17 bash: wq: command not found
root@lamp ~# g++ add.c -o add
add.c:3:33: error: '::~main' must return 'int'
18 void main(int argc, char *argv[]) {
      ^
root@lamp ~#
```

Result :

```
root@lamp ~# gcc add.c -o add
root@lamp ~# ./add 1076 764
a,b = -1403246527 -1403246522
c = 1840
root@lamp ~#
```

Part.2 :

B. adding new username :

```
root@lamp ~# adduser bakhsh
adduser: The user `bakhsh' already exists.
root@lamp ~# adduser baksh
Adding user `baksh' ...
Adding new group `baksh' (1001) ...
Adding new user `baksh' (1001) with group `baksh' ...
Creating home directory `/home/baksh' ...
Copying files from `/etc/skel' ...
New password:
```

Login the user baksh :

```
root@lamp ~# login
lamp login: baksh
Password:
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 Thu Mar 23 22:40:04 2023 - +03 (UTC+0300)

System load: 0.00          Memory usage: 45.3%
Processes: 104            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
baksh@lamp ~$
```

Tutorial one

Ex. A

```
baksh@lamp ~$ ls
baksh@lamp ~$ ls -a
.  .bash_history  .bashrc  .penv  .profile.d
.. .bash_logout  .bashrc.d  .profile  .sdirs
baksh@lamp ~$ mkdir unixstuff
baksh@lamp ~$ ls
unixstuff
baksh@lamp ~$ cd unixstuff
baksh@lamp ~/unixstuff$ ls
baksh@lamp ~/unixstuff$ mkdir backups
baksh@lamp ~/unixstuff$ ls -a
.  ..  backups
baksh@lamp ~/unixstuff$ cd.
-bash: cd.: command not found
baksh@lamp ~/unixstuff$ cd .
baksh@lamp ~/unixstuff$ cd ..
baksh@lamp ~$ cd unixstuff
baksh@lamp ~/unixstuff$ pwd
/home/baksh/unixstuff
baksh@lamp ~/unixstuff$
```

Ex. B

```
baksh@lamp ~/unixstuff/backups$ mkdir hello_world
baksh@lamp ~/unixstuff/backups$ cd hello_world
baksh@lamp ~/.../backups/hello_world$ pwd
/home/baksh/unixstuff/backups/hello_world
baksh@lamp ~/.../backups/hello_world$
```

Tutorial two

We made a file first :

```
baksh@lamp ~/unixstuff$ cat > science.txt
helllo my name is abdulrahman bakhsh
baksh@lamp ~/unixstuff$ cd
baksh@lamp ~$ cd unixstuff
```

Then moved it to another directory :

```
baksh@lamp ~/science.bak$ cd
baksh@lamp ~$ cd unixstuff
baksh@lamp ~/unixstuff$ ls
backups  science.txt
baksh@lamp ~/unixstuff$ cd
baksh@lamp ~$ cd science.bak
baksh@lamp ~/science.bak$ ls
baksh@lamp ~/science.bak$ cp ~/unixstuff/science.txt .
baksh@lamp ~/science.bak$ ls
science.txt
baksh@lamp ~/science.bak$
```

Ex.B

Make a file and then deleted it .

```
baksh@lamp ~$ ls
science.bak  unixstuff
baksh@lamp ~$ mkdir EE467
baksh@lamp ~$ ls
EE467  science.bak  unixstuff
baksh@lamp ~$ rmdir EE467
baksh@lamp ~$ ls
science.bak  unixstuff
baksh@lamp ~$
```