

Install Linux on a Virtual Machine

Learn Basic Linux Commands

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Part 1:

```
root@lamp ~# cat > add.c << EOF
> #include <stdlib.h>
> #include <studio.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);
> }
> EOF
root@lamp ~#
root@lamp ~# g++ add.c -o add
add.c:2:10: fatal error: studio.h: No such file or directory
#include <studio.h>
          ^~~~~~
compilation terminated.
root@lamp ~# vim 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);
}
-- INSERT --
```

```
root@lamp ~# gcc add.c -o add
root@lamp ~# ls
add  add.c
root@lamp ~# ./add 1076 764
a,b = 1900288065 1900288070
 c = 1840
root@lamp ~#
```

Part2:

```
root@lamp ~# adduser hussain
Adding user `hussain' ...
Adding new group `hussain' (1000) ...
Adding new user `hussain' (1000) with group `hussain' ...
Creating home directory `/home/hussain' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for hussain
Enter the new value, or press ENTER for the default
    Full Name []: Hussain Omar Alhibshi
    Room Number []: 0
    Work Phone []: 0546023996
    Home Phone []: 0
    Other []: 0
Is the information correct? [Y/n] Y
root@lamp ~#
```

```
login as: hussain
hussain@192.168.56.102's password:
Welcome to Lamp, TurnKey GNU/Linux 16.0 (Debian 10/Buster)

System information for Wed Dec 21 17:41:22 2022 - +03 (UTC+0300)

System load: 0.00          Memory usage: 55.1%
Processes: 93             Swap usage: 0.0%
Usage of /: 13.9% of 16.61GB  IP address for eth0: 192.168.56.102

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
hussain@lamp ~$
```