

Welcome to Ubuntu 23.04 (GNU/Linux 6.2.0-39-generic x86_64)

* Documentation: <https://help.ubuntu.com>
* Management: <https://landscape.canonical.com>
* Support: <https://ubuntu.com/pro>

0 updates can be applied immediately.

Your Ubuntu release is not supported anymore.
For upgrade information, please visit:
<http://www.ubuntu.com/releaseendoflife>

New release '23.10' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Wed Mar 20 14:43:56 2024 from 172.50.11.84

sridhar@sridhar-VirtualBox:~\$ cd

sridhar@sridhar-VirtualBox:~\$ d

d: command not found

sridhar@sridhar-VirtualBox:~\$ cd

sridhar@sridhar-VirtualBox:~\$ ls

Desktop Documents Downloads Music Pictures Public snap Templates Videos

sridhar@sridhar-VirtualBox:~\$ Desktop/

-bash: Desktop/: Is a directory

sridhar@sridhar-VirtualBox:~\$ cd Desktop/

sridhar@sridhar-VirtualBox:~/Desktop\$ ^C

sridhar@sridhar-VirtualBox:~/Desktop\$ logout

Connection to 172.50.10.27 closed.

student@ai-HP-ProDesk-600-G4-MT:~\$ ls

1a	capital	Downloads	lab	Pictures	Templates	wekafiles
3a	combine	eclipse	LP-Lab	prgl	'union and intersect.sql'	worksheet3.sql
421154	Desktop	eclipse-work	metasploit-latest-linux-x64-installer.run	Public	unix	
422165.sql	dfsdg.py	eclipse-workspace	metasploit.sh	__pycache__	unixgit	
4ae.py	'do 3.py'	ex.py	'mid exam 1st que.py'	r.py	Untitled.ipynb	
anaconda3	Documents	file1.txt	msfinstall	snap	Videos	
batch.txt	do.py	join.sql	Music	state	week4.sql	

student@ai-HP-ProDesk-600-G4-MT:~\$ scp week4.sql ^C

student@ai-HP-ProDesk-600-G4-MT:~\$ scp week4.sql 172.50.10.27

student@ai-HP-ProDesk-600-G4-MT:~\$ scp week4.sql 172.50.10.27

student@ai-HP-ProDesk-600-G4-MT:~\$ scp week4.sql 172.50.10.27

student@ai-HP-ProDesk-600-G4-MT:~\$ scp week4.sql sridhar@172.50.10.27

student@ai-HP-ProDesk-600-G4-MT:~\$ scp week4.sql sridhar@172.50.10.27:~

sridhar@172.50.10.27's password:

week4.sql

student@ai-HP-ProDesk-600-G4-MT:~\$

100% 802 0.9KB/s 00:00

sridhar@sridhar-VirtualBox: ~



```
sridhar@sridhar-VirtualBox:~$ ls
Desktop  Downloads  Pictures  snap      Videos
Documents Music      Public   Templates week4.sql
sridhar@sridhar-VirtualBox:~$ cat week4.sql
use worksheet1;
CREATE TABLE voters(voterid int8,name varchar(20),age int2,mobile int8,city varchar(20),adharno int8);
CREATE TABLE citizens(adharno int8,name varchar(20),address varchar(20));
ALTER TABLE voters ADD PRIMARY KEY (voterid);
ALTER TABLE citizens ADD PRIMARY KEY(adharno);
ALTER TABLE voters ADD CHECK (age>=18);
ALTER TABLE voters ADD CHECK (length(mobile)=10);
ALTER TABLE citizens ADD CHECK (length(adharno)=12);
ALTER TABLE citizens ADD UNIQUE (address);
ALTER TABLE voters ADD foreign key (city) REFERENCES citizens(address);
ALTER TABLE voters MODIFY name varchar(20) NOT NULL;
ALTER TABLE voters ADD UNIQUE (adharno);
ALTER TABLE citizens ADD UNIQUE (adharno);
ALTER TABLE voters ADD FOREIGN KEY(adharno) references citizens(adharno);
ALTER TABLE voters ALTER age SET DEFAULT 18;

sridhar@sridhar-VirtualBox:~$ open week4.sql
sridhar@sridhar-VirtualBox:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:ed:02:27 brd ff:ff:ff:ff:ff:ff
    inet 172.50.10.27/20 brd 172.50.15.255 scope global dynamic noprefixroute enp0s3
        valid_lft 11003sec preferred_lft 11003sec
    inet6 fe80::4a9:e0c:7904:718b/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
```


Rules updated (v6)

sridhar@sridhar-VirtualBox:~\$ sudo ufw reload

Firewall not enabled (skipping reload)

sridhar@sridhar-VirtualBox:~\$ sudo ufw allow 22/tcp

Skipping adding existing rule

Skipping adding existing rule (v6)

sridhar@sridhar-VirtualBox:~\$ ssh student@172.50.11.69

The authenticity of host '172.50.11.69 (172.50.11.69)' can't be established.

ED25519 key fingerprint is SHA256:UE03EP20xdvRJUtEwmkxXIM7eFOLB6x5vQK2ok5dXs8.

This key is not known by any other names

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added '172.50.11.69' (ED25519) to the list of known hosts.

student@172.50.11.69's password:

Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.13.0-40-generic x86_64)

* Documentation: <https://help.ubuntu.com>

* Management: <https://landscape.canonical.com>

* Support: <https://ubuntu.com/advantage>

1 device has a firmware upgrade available.

Run `fwupdmgr get-upgrades` for more information.

564 updates can be applied immediately.

453 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.

2 updates could not be installed automatically. For more details,

see /var/log/unattended-upgrades/unattended-upgrades.log

Your Hardware Enablement Stack (HWE) is supported until April 2025.

Last login: Wed Mar 20 15:41:05 2024 from 127.0.0.1



student@ai-HP-ProDesk-600-G4-MT: ~/Desktop



Run 'do-release-upgrade' to upgrade to it.



2 updates could not be installed automatically. For more details,
see /var/log/unattended-upgrades/unattended-upgrades.log
Your Hardware Enablement Stack (HWE) is supported until April 2025.
Last login: Wed Mar 20 15:31:05 2024 from 127.0.0.1



student@ai-HP-ProDesk-600-G4-MT:~\$ ls



172.50.10.27	'do 3.py'	metasploit-latest-linux-x64-installer.run	state
1a	Documents	metasploit.sh	Templates
3a	do.py	'mid exam 1st que.py'	'union and intersect.sql'
421154	Downloads	msfinstall	unix
422165.sql	eclipse	Music	unixgit
4ae.py	eclipse-work	Pictures	Untitled.ipynb
anaconda3	eclipse-workspace	prgl	Videos
batch.txt	ex.py	Public	week4.sql
capital	file1.txt	__pycache__	wekafiles
combine	join.sql	r.py	worksheet3.sql
Desktop	lab	snap	
dfsdg.py	LP-Lab	sridhar@172.50.10.27	



student@ai-HP-ProDesk-600-G4-MT:~\$ Desktop/



-bash: Desktop/: Is a directory



student@ai-HP-ProDesk-600-G4-MT:~\$ cd Desktop/



student@ai-HP-ProDesk-600-G4-MT:~/Desktop\$ ls

1.png	422165	622128	622222	'bst 3.py'	crc.py	scripts	tree.py
421110	422213	622163	'bst 2.py'	'bs t.py'	double.py	test	

student@ai-HP-ProDesk-600-G4-MT:~/Desktop\$ cd 422165

student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422165\$ ls

lab1.sql LAB2 LAB4 student.sql teacher.sql WEEK3Q1.sql

student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422165\$ cd

student@ai-HP-ProDesk-600-G4-MT:~\$ cd Desktop/

student@ai-HP-ProDesk-600-G4-MT:~/Desktop\$ ls

1.png	422165	622128	622222	'bst 3.py'	crc.py	scripts	tree.py
421110	422213	622163	'bst 2.py'	'bs t.py'	double.py	test	

student@ai-HP-ProDesk-600-G4-MT:~/Desktop\$ cd Desktop/



Search

ENG
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15:44

20-03-2024



student@ai-HP-ProDesk-600-G4-MT: ~/Desktop



```
student@ai-HP-ProDesk-600-G4-MT:~$ cd Desktop/
student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ ls
1.png      422165    622128    622222    'bst 3.py'  crc.py      scripts  tree.py
421110     422213    622163    'bst 2.py' 'bs t.py'   double.py   test
student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ cd 422165
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422165$ ls
lab1.sql  LAB2  LAB4  student.sql  teacher.sql  WEEK3Q1.sql
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422165$ cd
student@ai-HP-ProDesk-600-G4-MT:~$ cd Desktop/
student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ ls
1.png      422165    622128    622222    'bst 3.py'  crc.py      scripts  tree.py
421110     422213    622163    'bst 2.py' 'bs t.py'   double.py   test
student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ python crc.py
```

Command 'python' not found, did you mean:

command 'python3' from deb python3

command 'python' from deb python-is-python3

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ python3 crc.py
message 10010001101001
Remainder : 111
Encoded Data 10010001101001111
```

```
msg recived 10010001101001111
and remainder is 000
so correct msg recived
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ python3 tree.py
```

inorder transvel

4->2->5->1->3->preorder transvel

1 ->2 ->4 ->5 ->3 ->postorder transvel

```
4->5->2->3->1->student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ python3 double.py
```

Doubly Linked List (Forward):

1->2->3->4->5->6->7->8->9->10->11->12->13->14->15->16->17->18->19->20->21->22->23->24->25->26->27->28->29->30->31->32->33->34->35->36->37->38->39->40->41->42->43->44->45->46->47->48->49->50->51->52->53->54->55->56->57->58->59->60->61->62->63->64->65->66->67->68->69->70->71->72->73->74->75->76->77->78->79->80->81->82->83->84->85->86->87->88->89->90->91->92->93->94->95->96->97->98->99->100->None



student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422134



```
sridhar@sridhar-VirtualBox:~$ ssh student@172.50.11.84
student@172.50.11.84's password:
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.8.0-59-generic x86_64)
```



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



```
559 updates can be applied immediately.
461 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 16:05:19 2024 from 172.50.10.27
```



```
student@ai-HP-ProDesk-600-G4-MT:~$ ls
```



```
1.py          fib.a68g      nqueen.c
411931        file1.txt     number
420153        file2.txt     Pictures
422163        file3.txt     Public
9212119       file4.txt     Q1.c
alphabet.a68g Firefox_wallpaper.png question1.py
anaconda3     hai.dir       randomimage
a.out         heapify.py    snap
a.sml         infix.c       state
bfs.py        lowercase.hs  Templates
bit_stuffing.class LP            test1.a68
bit_stuffing.java MandC.py      test2.a68
capital       MissionariesandCannibals.py test3.a68
counter       mst.cpp       test4.a68
unrecto       Music         test5.a68
direct        myproject     test6.a68
test.a68
```



Show Apps



31°



Search

ENG
IN16:10
20-03-2024

student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422134



```
anaconda3      hai.dir      randomimage
a.out          heapify.py   snap
a.sml          infix.c     state
bfs.py         lowercase.hs Templates
bit_stuffing.class LP          test1.a68
bit_stuffing.java MandC.py     test2.a68
capital        MissionariesandCannibals.py test3.a68
counter        mst.cpp     test4.a68
Desktop        Music       test5.a68
dhillu         myproject   test6.a68
direct         myProject   test.a68
Documents      NETWORKPROGRAMMINGLAB ttt.ipynb
Downloads      new         unix
eclipse        new2.py     Videos
eclipse-workspace new.py      'webprogramming lab 620114'
factor.sml     'np lab'    wekafiles

student@ai-HP-ProDesk-600-G4-MT:~$ cd Desktop
student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ ls
422134  ARP_RARP.class
422163  ARP_RARP.java
422179  'Kousik Gate class'
422223  lab5.pdf
622101  NetworkNode.class
622160  number-plate-recognition-using-tensorflow-featured-image.jpeg
622252  Packet.class

student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ cd 422134/
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422134$ ls
a.out      fact3.c  factorial.sh  fibonacci.sh.sh  squares.sh
fact2.c    fact.c   fibonacci.sh  second.sh        'Untitled Document 1'

student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422134$ gcc fact3.c
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422134$ ./a.out
Segmentation fault (core dumped)
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422134$ bach ^C
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422134$
```



student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422134



```
sridhar@sridhar-VirtualBox:~$ ssh student@172.50.11.84
student@172.50.11.84's password:
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.8.0-59-generic x86_64)
```

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

```
559 updates can be applied immediately.
461 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 16:08:45 2024 from 172.50.10.27
```

```
student@ai-HP-ProDesk-600-G4-MT:~$ cd Desktop/
student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ cd 422134/
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422134$ ls
a.out      fact3.c    factorial.sh  fibonacci.sh.sh  squares.sh
fact2.c    fact.c     fibonacci.sh  second.sh        'Untitled Document 1'
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422134$ chmod +x fibonnacci.sh
chmod: cannot access 'fibonnacci.sh': No such file or directory
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422134$ chmod +x fibonacci.sh
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422134$ bash fibonacci.sh
enter the value of n:5
the fibonacci series is:
01123
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422134$ chmod +x squares.sh
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422134$ bash squares.sh
enter the number:7
the sum of squares of 7 is: 140
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422134$
```