

# UNIX ASSIGNMENT 05

Name:G Saiteja

Rollno:422149

Sec: "A"

1Q) Using SSH command execute the three programs on two different machines.

Ans) Execution of three programs of First machine

```
student@al-HP-ProDesk-600-G4-MT:~$ ssh student@172.50.13.31
The authenticity of host '172.50.13.31 (172.50.13.31)' can't be established.
ECDSA key fingerprint is SHA256:Hn1VMHwBq1Q4i9Z10MkHni6s4Zq/QTeE3Td10XGEU.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '172.50.13.31' (ECDSA) to the list of known hosts.
student@172.50.13.31's password:
Welcome to Ubuntu 20.04.2 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

637 updates can be applied immediately.
496 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 15:01:34 2024 from 172.50.6.155
student@al-HP-ProDesk-600-G4-MT:~$ ls
01.py                  Client_ar.p.class      ghijk.py              haskque3.o            lab9q1_files          RR.py
422111-unix           Client_ar.p.java       hadoop-3.3.6          haskque4              lab9q1.html           scheduling_1.c
621209 question 7.py' Clientarp.java          haskque1              haskque4.hi           length.pl             scheduling_2.c
621209 quesylion8.py' Clienttrap              haskque10             haskque4.hs           Main.java             seclar.sh
622250                Clienttrap.class       haskque10.hi          haskque4.o            math.py              Server_ar.p.class
8_puzzle.py          Clienttrap.p.java      haskque10.hs          haskque5              max.pl               Server_ar.p.class
abc.py               code                  haskque10.o           haskque5.hi           mbn.py              Server_ar.p.java
add.pl              conio.h               haskque11             haskque5.hs           merge.pl             Server_ar.p.java
AI_assign_4.py       containnum.pl          haskque11.hi          haskque5.o            mki.py              Serverar.p.class
AIlab3_01.py         crc.class              haskque11.hs          haskque6              modify.pl            Serverrarp.java
anaconda3            crc.java              haskque11.o           haskque6.hi           multithread2.c       sharedmemory.c
a.out                CRC.py                haskque12             haskque6.hs           multithread3.c       signal.c
append.pl            dbms_lab3_q1.sql       haskque12.hi          haskque6.o            multithread.c        snap
area.py              dbms_lab3_q3.sql       haskque12.hs          haskque7              Music                some.txt
assign_5             Desktop               haskque12.o           haskque7.hi           myproject            son.py
assign_5.hi          dir1                  haskque14             haskque7.hs           names.txt            sos.py
assign_5.hs          director              haskque14.hi          haskque7.o            new                  sqlanta.txt
assign_5.o           div.hs                haskque14.hs          haskque8              nth.pl               StartExp1.class
assign_5Q1           Documents             haskque14.o           haskque8.hi           num.txt              StartExp1.java
assign_5Q1.hi        Downloads             haskque15             haskque8.hs           occurrence.pl         state.txt
assign_5Q1.hs        DS                   haskque15.hi          haskque8.o            occur.pl             student-421159-
assign_5Q1.py        settings              haskque15.hs          haskque8.o            cdlldemo.pl         student-422149
```

```
student@ai-HP-ProDesk-600-G4-MT:~$ ls
assign_501.hs  D5  haskque15.hi  haskque8.o  occur.pl  student-421159-
assign_501.o  eclipse  haskque15.hs  haskque9  palindrome.sh  student-422111
assign_502  eclipse-workspace  haskque15.o  haskque9.hi  pglfu.c  student-422111-oops
assign_502.hi  encap.pl  haskque16  haskque9.hs  pgmfu.c  student-422111-os
assign_502.hs  exit.c  haskque16.hi  haskque9.o  Pictures  sumofsq.sh
assign_502.o  fact1.sh  haskque16.hs  hello  pipe.c  sum.pl
assign_503  fact.pl  haskque16.o  hello.pl  pro1  Tdpl_assignment_4.sml
assign_503.hi  fact.powershell  haskque18  hg.py  Public  Templates
assign_503.hs  fact.sh  haskque18.hi  hi2.txt  __pycache__  threadtdpl.java
assign_503.o  fact.shell  haskque18.hs  hi3.txt  que1a.a68  TNP_files
assign_504  fghfc.py  haskque18.o  hi.txt  que1b.a68  UNIX
assign_504.hi  fibonacc1.sh  haskque1.hi  hjgf.py  que2b.sml  'Untitled Document 1'
assign_504.hs  flbo.pl  haskque1.hs  hjybjn.py  que2.sml  'Untitled Folder 1'
assign_504.o  flfo.c  haskque1.o  incrlist.pl  que2.sml.o  'Untitled Folder 2'
bankersalgo.c  file  haskque2  infixtopostfix.py  que3b.hs  Videos
bltstuffing.java  file10.txt  haskque2.hi  insertnth.pl  quick.pl  wait.c
BltStuffing.java  'File System'  haskque2.hs  insertzero.pl  reverse.pl  week-4q-1.sql
bst22.py  fork.c  haskque2.o  jhb.py  'rgtfd .py'  week4-q2.sql
bst234.py  ForwardingTableGenerator.class  haskque3  jhyru.py  rollno.sh  week5-q1.sql
capital.txt  ForwardingTableGenerator.java  haskque3.hi  kk.py  roundrobin.c  while.py
captail.txt  gbnv.py  haskque3.hs  kl.py

student@ai-HP-ProDesk-600-G4-MT:~$ cd student-422111
student@ai-HP-ProDesk-600-G4-MT:~/student-422111$ ls
amstrongnumber.c  deletenodebyitem.c  'doublyll.c\''  findcycle_1.c  inertionsort.c  sumofdigits.c
a.out  deletenode.c  evaluatepostfix.c  hashtable.c  infixtopostfix.c  swapwithouttemp.c
assignment-2-422111  diaplay.c  evenorodd.c  hello.c  insertusingpos.c  swapwithtemp.c
clrcularll.c  doublyll.c  factorial.c  index.html  selectionsort.c  traverse.c

student@ai-HP-ProDesk-600-G4-MT:~/student-422111$ gcc hello.c
student@ai-HP-ProDesk-600-G4-MT:~/student-422111$ ./a.out
Hello, world!

student@ai-HP-ProDesk-600-G4-MT:~/student-422111$ gcc evenorodd.c
student@ai-HP-ProDesk-600-G4-MT:~/student-422111$ ./a.out
enter an integer:10
the number 10 is evenstudent@ai-HP-ProDesk-600-G4-MT:~/student-422111$ gcc amstrongnumber.c
student@ai-HP-ProDesk-600-G4-MT:~/student-422111$ ./a.out
2
4
6
7
32
45
753
student@ai-HP-ProDesk-600-G4-MT:~/student-422111$
```

## Execution of programs of Second Machine

```
student@ai-HP-ProDesk-600-G4-MT:~$ ssh student@172.50.11.148
student@172.50.11.148's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-100-generic x86_64)

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

1 device has a firmware upgrade available.
Run 'fwupdmgtr get-upgrades' for more information.

Expanded Security Maintenance for Applications is not enabled.

25 updates can be applied immediately.
18 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

17 additional security updates can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm

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 15:33:10 2024 from 172.50.2.174
student@ai-HP-ProDesk-600-G4-MT:~$ ls
1.c.sql  DoublyLinkedList.class  keEndLab.lpynb  prin.py
2.3  'doubly linked list.py'  kk1.c  prims_algorithm_622166.py
3.2  doublyll.py  kkd1.c  priorityqueue_622166.py
3des.py  doublylnkedlist2.py  kkd1a1.c  priorityqueueusinglinkedlist.py
3.py  Downloads  kkd2a2.c  producer.c
4119  dsa.cinsert  kkd3a3.c  producti
411935  eclipse  kll.c  producti.hi
411935.zip  eclipse-workspace  kno2.pl  producti.hs
420138  eg_static.a  kno3.pl  producti.o
420203  Employee.class  kno.pl  product.hs
421154  e.py  know.pl  program_1.java
421154_2.sql  even  kos11.c  Program.class
421154.sql  exit  kos1.c  program.java
421209  fact.hs  kos2.c  project
4.4  family.pl  kos3.c  Public
4.l  fcfs.c  kos4.c  Public.class
731112.pdf  fghfc.py  kll.py  kll.py
```

```
student@al-HP-ProDesk-600-G4-MT: ~
421209 fact.hs
4.4 family.pl
4.1 fcfs.c
521112aniket.py fibanoccl.a
521112.py fibanoccl_app.c
521146 fibanoccl.c
622166.py fibanoccl.h
622166.py.1 fibanoccl.hs
622166.py.3 fibanoccl.o
622166.tree.py fibanoccl.so
622255_1.py fib.hs
637nitish3.c fib.sh
637nitish.c flfo
882532.py flforf.c
9211115.c flfowf.c
9211453-3-1.py flfth.a68
9211536_set3_Q.2 file
'9211536_set3_Q.2 execution.py' file1.tx
9211536_set3_Q.2.py file1.txt
9211536_set3_Q.2.py file1.txt.save
9211536_set3_Q3.py file1.txt.save.1
'9211536_set3_Q.4 execution' file2.txt
9211536_set3_q4.py files2.txt
9212454.py files.txt
9212519.c filesystem.c
9212604.py first.hs
9212637nitish.c foo1
9221421 foo2
9234.py foo3
a1.pl foo4
abc1.c fork
abc.c ForwardingTableGenerator.class
addTax.hs ForwardingTableGenerator.java
adt Frame1.class
'aggregate functions in sql example' gcd.a68
allab.py gttflle1.txt
'aman raj 9212604.py' halves.hs
'aman raj cs102 lab exam' halves.hs
amicable.py HammingClient.class
anaconda3 HammingClient.java
anitha.txt HammingServer.class
ann.txt HammingServer.java
a.out hash.c
bush chadler 622166.py kos2.c
kos3.c
kos3.c
kos4.c
kowshtk.c
krishna.py
kruskol-622166.py
kruskol_algo_622166.py
krus.py
lex.yy.c
lib_fibanoccl.a
libfibanoccl.a
li.py
list1.py
list1.txt
list1.txt
list.py
loops.py
lsearch.c
Main.class
Main.class
Main.java
makefile
makefile1
max_votes.py
'MID (1).py'
'MID (2).py'
'MID (3).py'
minheap_622166.py
minor.py
msg_reader.c
msg_writer.c
mult
mult.ht
mult.hs
mult.o
Music
my
myproject
myshell.c
'my sql'
MyThread.class
name
new
new2
NewFolder
out
project
Public
Public.class
py.h
py.py
pyrold.
python.
python.py
PY.V
q11.py2
q1.java
q1.pl
q2.pl
q3.hs
q.6.py2
Queue.class
queue_implementation.py
Queueprogram_2.class
Queueprogram_2.java
quicksort.cpp
read
read.c
rep1.c
rep2.c
result.sql
reversecomparatorexample.java
roundrobin
s1.c
s2.c
sal1.c
sal.py
sample.a68
sell.c
sender.class
sender.java
sender.java
sharedmemory
sharedmemory1.c
sharedmemory.c
signal
'SinglyLinkedList$Node.class'
SinglyLinkedList.class
SinglyLinkedList.java
size
size
```

```
student@al-HP-ProDesk-600-G4-MT: ~
capital1 file4.sh output1.txt 'Screenshot from 2024-01-10 12-21-40.png' square.sh
caps file.txt output.sh 'Screenshot from 2024-01-10 12-21-48.png' student_1.sql
depatment.sql fle.txt output.txt 'Screenshot from 2024-01-10 12-21-53.png' student.sql
double.c hash.c palind.c 'Screenshot from 2024-01-10 12-22-01.png' sum.c
employee.sql html.html pipes.c 'Screenshot from 2024-01-10 12-22-06.png' sum_obj.o
fact.c infixtopostfix.c prime.c 'Screenshot from 2024-01-10 12-22-13.png' teacher.sql

student@al-HP-ProDesk-600-G4-MT:~/9221421$ gcc hash.c
student@al-HP-ProDesk-600-G4-MT:~/9221421$ ./a.out
hash table after inserting 2,26,19,95,67,13:
Slot 0 : -1
Slot 1 : 67 -1
Slot 2 : 13 2 -1
Slot 3 : -1
Slot 4 : 26 -1
Slot 5 : -1
Slot 6 : -1
Slot 7 : 95 -1
Slot 8 : 19 -1
Slot 9 : -1
Slot 10 : -1

Searching For 13 : 13 Found!
Searching For 26 : 26 Found!
Searching For 19 : 19 Found!

Hash table after deleting 10,95:
Slot 0 : -1
Slot 1 : 67 -1
Slot 2 : 2 -1
Slot 3 : -1
Slot 4 : 26 -1
Slot 5 : -1
Slot 6 : -1
Slot 7 : -1
Slot 8 : 19 -1
Slot 9 : -1
Slot 10 : -1

student@al-HP-ProDesk-600-G4-MT:~/9221421$ gcc fibanoccl.c
student@al-HP-ProDesk-600-G4-MT:~/9221421$ ./a.out
fibanoccl series upto 10:
0112358132134
student@al-HP-ProDesk-600-G4-MT:~/9221421$
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Documents$ ls
dfs.622166      kds5.c          prime_app.c      waitt
dijkstra_algo.622166.py  kds11.c         prime.c          wekafiles
dll.py          kds1.c          Prime.class      write.c
Documents       kds2.c          prime.h          writer.c
double.sml      kds3.c          prime.o          xaa
'DoublyLinkedListNode.class' kds4.c          prime.so         y.tab.c
student@ai-HP-ProDesk-600-G4-MT:~$ cd 9221421
student@ai-HP-ProDesk-600-G4-MT:~/9221421$ gcc prime.c
student@ai-HP-ProDesk-600-G4-MT:~/9221421$ ./a.out
Enter the number of elements in the array: 5
Enter the elements of the array:
2
3
11
15
20
The prime numbers in the array are: 2 3 11
```

2Q) Create a project under CVS/git repository and record multiple versions/branches and practice merging of branches (with a batch of 2 members) using gitbash commands and upload all your previous lab tasks to this repository .

```
Activities Terminal Apr 3 17:06 student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/UNIX
student@ai-HP-ProDesk-600-G4-MT:~$ cd Desktop
student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ git clone https://github.com/neta-02/UNIX.git
Cloning into 'UNIX'...
warning: You appear to have cloned an empty repository.
student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ git status
> ^C
student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ git status
fatal: not a git repository (or any of the parent directories): .git
student@ai-HP-ProDesk-600-G4-MT:~/Desktop$ cd UNIX
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git checkout -b "branch422149"
Switched to a new branch 'branch422149'
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git status
On branch branch422149

No commits yet

nothing to commit (create/copy files and use "git add" to track)
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git add .
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git add .
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git commit -m "Added 422149 Files"
*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: empty ident name (for <sumu>) not allowed
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git config --global user.email "422149@student.nitandhra.ac.in"
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git config --global user.name "neta-02"
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git commit -m "Added 422149 Files"
[branch422149 (root-commit) 0283a62] Added 422149 Files
13 files changed, 429 insertions(+)
create mode 100644 assignment1/assignment01.pdf
create mode 100644 assignment2/awk.sh
create mode 100644 assignment2/awk.txt
```

```
Activities Terminal Apr 3 17:06 student@al-HP-ProDesk-600-G4-MT: ~/Desktop/UNIX

git config --global user.email "you@example.com"
git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: empty ident name (for <sumu>) not allowed
student@al-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git config --global user.email "422149@student.nitandhra.ac.in"
student@al-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git config --global user.name "neta-02"
student@al-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git commit -m "Added 422149 Files"
[branch422149 (root-commit) 0283a62] Added 422149 Files
13 files changed, 429 insertions(+)
create mode 100644 assignment1/assignment01.pdf
create mode 100644 assignment2/awk.sh
create mode 100644 assignment2/awk.txt
create mode 100644 assignment2/cpio.sh
create mode 100644 assignment2/cpio_out.txt
create mode 100644 assignment2/sed (1).sh
create mode 100644 assignment2/sed.txt
create mode 100644 assignment2/tar (1).sh
create mode 100644 assignment2/tar_out (1).txt
create mode 100644 assignment3/Build_And_Run.sh
create mode 100644 assignment3/NQueens (1).txt
create mode 100644 assignment3/output.jpeg
create mode 100644 assignment4/422149.pdf
student@al-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git remote -v
origin https://github.com/neta-02/UNIX.git (fetch)
origin https://github.com/neta-02/UNIX.git (push)
student@al-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git remote set-url origin https://ghp_AllBDypbf6CnrwjMpaHhKLuav7nDXG2t9Y37@github.com/neta-02/UNIX.git
student@al-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git remote -v
origin https://ghp_AllBDypbf6CnrwjMpaHhKLuav7nDXG2t9Y37@github.com/neta-02/UNIX.git/ (fetch)
origin https://ghp_AllBDypbf6CnrwjMpaHhKLuav7nDXG2t9Y37@github.com/neta-02/UNIX.git/ (push)
student@al-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git push origin branch422149
Enumerating objects: 19, done.
Counting objects: 100% (19/19), done.
Delta compression using up to 12 threads
Compressing objects: 100% (17/17), done.
Writing objects: 100% (19/19), 2.76 MiB | 1.57 MiB/s, done.
Total 19 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/neta-02/UNIX.git/
 * [new branch] branch422149 -> branch422149
student@al-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$
```

Activities Google Chrome Apr 3 17:06

neta-02/UNIX Classroom Manager Assignment02: New Tab New Tab

github.com/neta-02/UNIX

neta-02 / UNIX

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

UNIX (Public) Pin Unwatch 1 Fork 0 Star 0

branch422149 1 Branch 0 Tags Go to file Add file <> Code About

neta-02 Added 422149 Files 0283a62 · 4 minutes ago 1 Commits

assignment1	Added 422149 Files	4 minutes ago
assignment2	Added 422149 Files	4 minutes ago
assignment3	Added 422149 Files	4 minutes ago
assignment4	Added 422149 Files	4 minutes ago

README

Add a README

Help people interested in this repository understand your project by adding a README.

Add a README

cpio.sh Removed tar (1).sh Removed cpio\_out.txt Removed tar\_out (1).txt Removed sed.txt Removed Show all

About

No description, website, or topics provided.

Activity

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Languages

Shell 100.0%