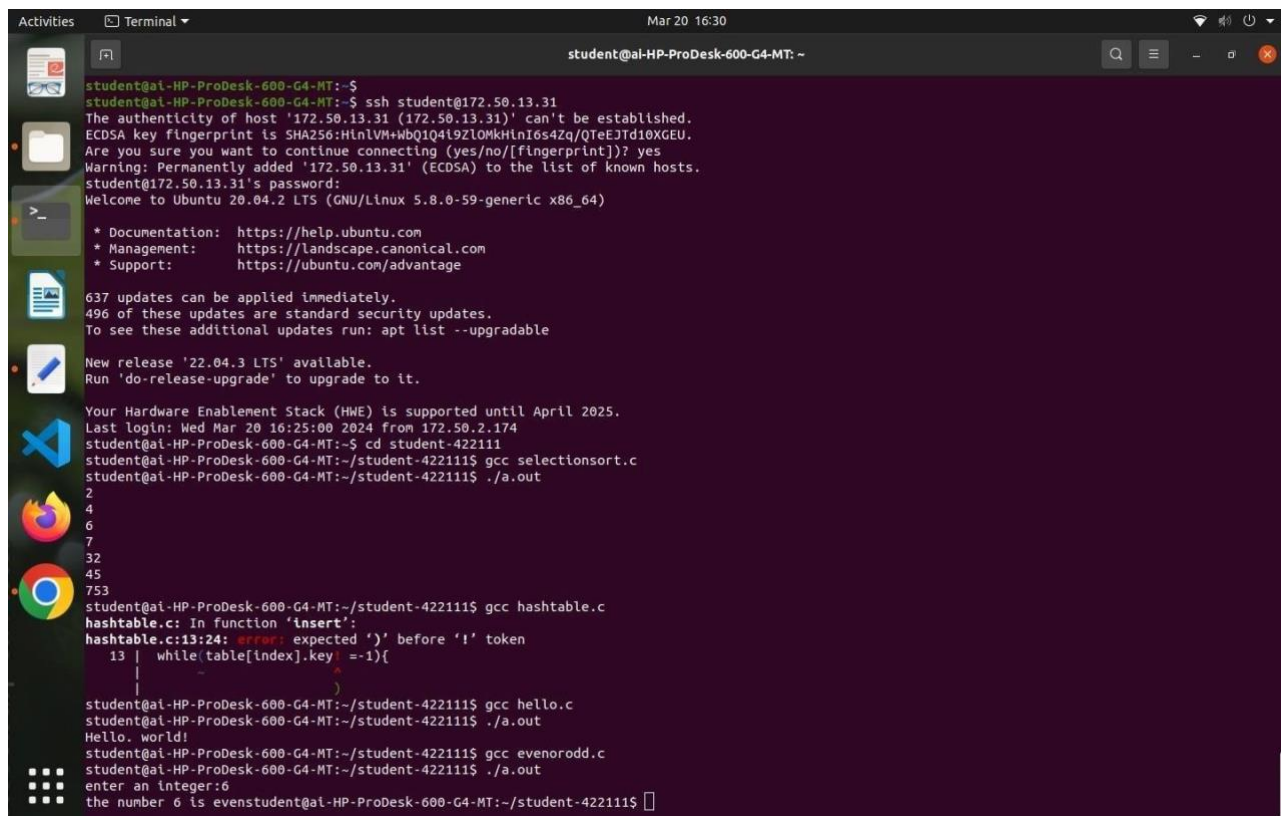


UNIX ASSIGNMENT:5 NAME:D.PRAVEEN KUMAR SEC:A ROLL NUMBER:422139

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

Code:



```
student@ai-HP-ProDesk-600-G4-MT: ~$  
student@ai-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:HlnlVM+WbQ1Q4I9ZL0MKHlnI6s4Zq/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 16:25:00 2024 from 172.50.2.174  
student@ai-HP-ProDesk-600-G4-MT:~$ cd student-422111  
student@ai-HP-ProDesk-600-G4-MT:~/student-422111$ gcc selectionsort.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$ gcc hashtable.c  
hashtable.c: In function 'insert':  
hashtable.c:13:24: error: expected '}' before '!' token  
13 | while(table[index].key == -1){  
    |                        ^  
    |                        )  
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:6  
the number 6 is evenstudent@ai-HP-ProDesk-600-G4-MT:~/student-422111$
```

```
Activities Terminal Mar 20 16:27 student@ai-HP-ProDesk-600-G4-MT: ~
student@ai-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:H1nLVM+WbQ1Q4I9ZlOMkHnI6s4Zq/QTeEJTD10XGEU.
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@ai-HP-ProDesk-600-G4-MT:~$ ls
01.py                                ghjkk.py                            haskque3.o                          lab9q1_files                        RR.py
422111-unix                          hadoop-3.3.6                       haskque4                            lab9q1.html                       scheduling_1.c
'621209 question 7.py'              Client_arp.class                   haskque4.h                           length.pl                         scheduling_2.c
'621209 quesyon8.py'               Clientarp.java                    haskque4.hs                         Main.java                        seclar.sh
622250                              Clienttrarp                       haskque4.o                          math.py                          Server_arp.class
8_puzzle.py                         Clienttrarp.class                 haskque5                            max.pl                           Serverarp.class
abc.py                              code                              haskque5.ht                        mbn.py                          Server_arp.java
add.pl                              conio.h                          haskque5.hs                        merge.pl                         Serverarp.class
AI_assign_4.py                      containnum.pl                     haskque5.o                         nki.py                          Serrerrarp.class
AIlab3_01.py                       crc.class                         haskque6                            modify.pl                       Serrerrarp.java
anaconda3                          crc.java                         haskque6.ht                       multithread2.c                  sharedmemory.c
a.out                              CRC.py                           haskque6.hs                       multithread3.c                  signal.c
append.pl                          dbms_lab3_q1.sql                 haskque6.o                        multithread.c                   snap
area.py                            dbms_lab3_q3.sql                 haskque7                            Music                             some.txt
assign_5                           Desktop                          haskque7.ht                       myproject                      son.py
assign_5.hl                        dir1                             haskque7.hs                       names.txt                      sos.py
assign_5.hs                        director                         haskque7.o                        new                             sqlanta.txt
assign_5.o                         div.hs                          haskque8                           nth.pl                         StartExp1.class
assign_501                         Documents                       haskque8.ht                       num.txt                        StartExp1.java
assign_501.hl                     Downloads                       haskque8.hs                       occur.pl                       state.txt
assign_501.hs                     DS                              haskque8.o                       student-421159-                student-421159-
assign_501.o                      eclipse                          haskque9                           palindrone.sh                 student-421111
assign_502                        eclipse-workspace                haskque9.ht                      pglfu.c                       student-421111-oops
assign_502.hl                     encap.pl                       haskque9.hs                      pgmfu.c                       student-421111-os
assign_502.hs                     extt.c                         haskque9.o                       Pictures                       sumofsq.sh
assign_502.o                      fact1.sh                       hello                             pipe.c                          sun.pl
assign_503                        fact.pl                         hello.pl                          proi                           Tdpl_assignment_4.sml
assign_503.hl                     fact.powershell                hg.py                             Public                          Templates
assign_503.hs                     fact.shell                     hi2.txt                          __pycache__                   threadtdpl.java
assign_503.o                      fghfc.py                      hi3.txt                         queia.a68                     TNP_files
assign_504                        fibonaccl.sh                   hi.txt                          que1b.a68                     UNIX
assign_504.hl                     fibo.pl                       hjgf.py                         que2.sml                      'Untitled Document 1'
assign_504.hs                     fifo.c                        hjybjm.py                       que2.sml                      'Untitled Folder'
assign_504.o                      file                          incerlist.pl                    que3.sml                      'Untitled Folder 1'
bankersalgo.c                    file10.txt                     infixtopostfix.py              que3b.hs                      'Untitled Folder 2'
bitstuffing.java                 'File System'                  insertnth.pl                    quick.pl                       Videos
BitStuffing.java                 fork.c                         insertzero.pl                   remove.pl                      wait.c
bst22.py                         ForwardingTableGenerator.class  jhb.py                         reverse.pl                    week-4q-1.sql
bst234.py                        ForwardingTableGenerator.java  jhyru.py                       'rgtfd .py'                  week4-q2.sql
capital.txt                      gbnv.py                       kk.py                           rollno.sh                     week5-q1.sql
capitall.txt                    haskque3.hs                   kl.py                           roundrobin.c                  while.py

student@ai-HP-ProDesk-600-G4-MT:~$ cd student-422111
student@ai-HP-ProDesk-600-G4-MT:~/student-422111$ ls
amstrongnumber.c  deletenodebyiten.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
circularll.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$
```



```
Activities Terminal Apr 3 16:54 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$ ls
522132.py BitStuffing.java UNIX
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 "branch422148"
Switched to a new branch 'branch422148'
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git status
On branch branch422148

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Assignment2/
    Assignment3/
    Assignment4/

nothing added to commit but untracked files present (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 commit -m "Added 422148 files"
[branch422148 (root-commit) e9c3c87] Added 422148 files
12 files changed, 429 insertions(+)
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.sh
create mode 100644 Assignment2/sed.txt
create mode 100644 Assignment2/tar.sh
create mode 100644 Assignment2/tar_out.txt
create mode 100644 Assignment3/Build_And_Run.sh
create mode 100644 Assignment3/NQueens2.txt
create mode 100644 Assignment3/unix.jpg
create mode 100644 Assignment4/UNIX ASSIGNMENT4.pdf
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git push origin branch422148
Username for 'https://github.com': ^C
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git remote -v
origin https://github.com/G-JOSHUA-STEPHEN/UNIX.git (fetch)
origin https://github.com/G-JOSHUA-STEPHEN/UNIX.git (push)
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git remote set-url https://ghp_FXb0FFG7kuN6VxR4HS7CBu9ndsHR6o1NheuF@github.com/G-JOSHUA-STEPHEN/UNIX
```

```
Activities Terminal Apr 3 16:54 student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/UNIX

create mode 100644 Assignment3/unix.jpg
create mode 100644 Assignment4/UNIX ASSIGNMENT4.pdf
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git push origin branch422148
Username for 'https://github.com': ^C
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git remote -v
origin https://github.com/G-JOSHUA-STEPHEN/UNIX.git (fetch)
origin https://github.com/G-JOSHUA-STEPHEN/UNIX.git (push)
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git remote set-url https://ghp_EXb0FEGZkuN6VxR4HS7CBu9qdsHB6q1NbeuF@github.com/G-JOSHUA-STEPHEN/UNIX.git/
usage: git remote set-url [--push] <name> <newurl> [<oldurl>]
or: git remote set-url --add <name> <newurl>
or: git remote set-url --delete <name> <url>

--push      manipulate push URLs
--add        add URL
--delete     delete URLs

student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git remote set-url origin https://ghp_EXb0FEGZkuN6VxR4HS7CBu9qdsHB6q1NbeuF@github.com/G-JOSHUA-STEPHEN/UNIX.git/
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git push origin branch422148
Enumerating objects: 17, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 12 threads
Compressing objects: 100% (16/16), done.
Writing objects: 100% (17/17), 1.28 MiB | 541.00 KiB/s, done.
Total 17 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/G-JOSHUA-STEPHEN/UNIX.git/
 * [new branch]      branch422148 -> branch422148
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git add .
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git commit -m "Added 422148 Assignment1"
[branch422148 6720056] Added 422148 Assignment1
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 First422180.pdf
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git push origin branch422148
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 406.43 KiB | 25.40 MiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/G-JOSHUA-STEPHEN/UNIX.git/
 e9c3c87..6720056 branch422148 -> branch422148
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$
```

