

UNIX ASSIGNMENT :5

NAME :AKSHAY CHINNU

SECTION:A

ROLL NUMBER:422141

QUESTIONS:

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

code:

```

student@el-HP-ProDesk-680-G4-MT: ~$
student@el-HP-ProDesk-680-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:HiwIM+MBQ5QA19Z3DMHir2s+Zm/S7eC2763KX0EU.
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 5.6.0-59-generic x86_64)
 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

637 updates can be applied immediately.
49% 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 28 15:56:01 2024 from 172.50.1.256
student@el-HP-ProDesk-680-G4-MT:~$ cd student -422141
student@el-HP-ProDesk-680-G4-MT:~/student-422141$ gcc selectionsort.c student@el-HP-ProDesk-680-G4-MT:~/student-422141$ ./a.out
2
4
6
7
32
46
763
student@el-HP-ProDesk-680-G4-MT:~/student-422141$ gcc hashtable.c hashtable.c: In function 'insert': hashtable.c: 13:24:
error: expected ')' before 'i' token
13 |     hashtable[indices].key[i] = i;
    |                               ^
    |
student@el-HP-ProDesk-680-G4-MT:~/student-422141$ gcc hello.c student@el-HP-ProDesk-680-G4-MT:~/student-422141$ ./a.out
Hello, world!
student@el-HP-ProDesk-680-G4-MT:~/student-422141$ gcc evenorodd.c student@el-HP-ProDesk-680-G4-MT:~/student-422141$ ./a.out
enter an integer: 4
the number 6 is even
student@el-HP-ProDesk-680-G4-MT:~/student-422141$

```

```

student@el-HP-ProDesk-680-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:HiwIM+MBQ5QA19Z3DMHir2s+Zm/S7eC2763KX0EU.
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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 28 16:33:34 2024 from 172.50.1.256
student@el-HP-ProDesk-680-G4-MT:~$ ls
01. PY
422141-unix
Client_arp.class
Client_arp.java
'421200
question 7.py'
Clientarp.java
'421200 question8.py'
Clientarp
422200
Clientarp.class
8_puzzle.py
Clientarp.java
abc.py
code
add.pl
conio.h
AI_assign_4.py
containing.pl
Allab3_Q1.py
crc.class
awsconda3
crc.java
a.out append.pl
CRC. PY
dms_lab3.
_91.sql
area.py
dms_lab3_q3.sql
assign_5
Desktop
assign_5.hi

```

2. 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 .

code:

```
student@ai-HP-ProDesk-600-G4-MT:~$ cd Desktop student@ai-HP-ProDesk-600-G4-MT: ~/Desktop$ ls
422141-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 "branch422141"
Switched to a new branch 'branch422141'
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git status

On branch branch422141

No commits yet

Untracked files:
(use "git add <file>..." to include in what will be committed)
Assignemnt2/
Assignment3/
Assignment 4/
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 422141 files"
[branch422141 (root-commit) e9c387] Added 422141 files
12 files changed, 429 insertions(+)
create mode 100644 Assignemnt2/awk.sh
create mode 100644 Assignemnt2/awk.txt
create mode 100644 Assignemnt2/cpio.sh
create mode 100644 Assignemnt2/cpio_out.txt
create mode 100644 Assignemnt2/sed.sh
create mode 100644 Assignemnt2/sed.txt
create mode 100644 Assignemnt2/tar.sh
create mode 100644 Assignemnt2/tarout. txt
create mode 100644 Assignment3/Butld _And Run.sh
create mode 100644 Assignment/Queens2. txt
create mode 100644 Assignment3/unix. jpg
create mode 100644 Assignment/UNIX ASSIGNMENT.pdf
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git push origin branch422141
Username for 'https://github.com': ^C
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/UNIX$ git remote - v origin
https://github.com//UNIX.git (fetch)
origin https://github.com/Akshaya87/UNIX (push)
```

```

create mode 100644 Assignment3/unix.jpg create mode 100644 Assignment/UNIX ASSIGNMENT4.pdf
student@at-HP-ProDesk-680-G4-MT:~/Desktop/UNIX$ git push origin branch422141
Username for 'https://github.com': w0
student@at-HP-ProDesk-680-G4-MT:~/Desktop/UNIX$ git remote -v origin https://github.com/Akshaya87/UNIX.git (fetch) origin
https://github.com/Akshaya87/UNIX.git (push)
student@at-HP-ProDesk-680-G4-MT:~/Desktop/UNIX$ git remote set-url https://gh_6xb0f662u6wvskw67CbU/qds06qk8euf@github.com/D-Akshaya87/UNIX
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@at-HP-ProDesk-680-G4-MT:~/Desktop/UNIX$ git remote set-url origin https://gh_6xb0f662u6wvskw67CbU/qds06qk8euf@github.
com/Akshaya87/UNIX.git/
student@at-HP-ProDesk-680-G4-MT:~/Desktop/UNIX$ git push origin
branch422141
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), 3.28 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/Akshaya87/UNIX.git/
+ [new branch] branch422141 -> branch422141
student@at-HP-ProDesk-680-G4-MT:~/Desktop/UNIX$ git add .
student@at-HP-ProDesk-680-G4-MT:~/Desktop/UNIX$ git commit -m "Added 422141 Assignment1"
[branch422141 6720066] Added 422141 Assignment1
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 First422188.pdf
student@at-HP-ProDesk-680-G4-MT:~/Desktop/UNIX$ git push origin branch422141
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), 486.43 KiB | 26.40 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/Akshaya87/UNIX.git/ 9b3c87...6720066 branch422141 -> branch422141
student@at-HP-ProDesk-680-G4-MT:~/Desktop/UNIX$ |

```

The screenshot shows the GitHub web interface for a repository named 'UNIX' by user 'Akshaya87'. The repository has 1 branch and 0 tags. The main content area displays a list of files: 'assign_1', 'assign_2', 'assignment_1', and 'README.md'. The 'README.md' file is selected, showing its content which includes the word 'UNIX' in large letters. On the right side, there are sections for 'About' (no description), 'Releases' (no releases published), and 'Packages' (no packages published).