

UNIX ASSIGNMENT 06

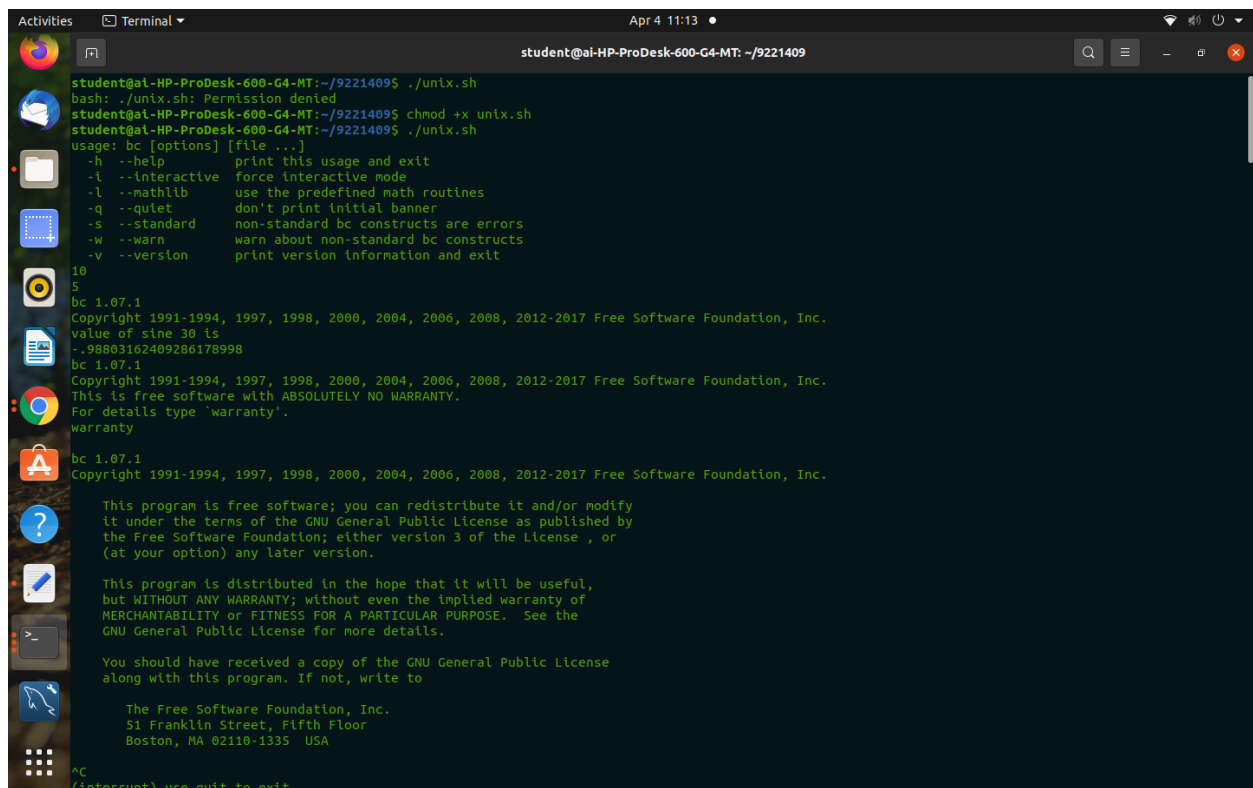
NAME: G Saiteja

ROLLNO: 422149

SECTION: "A"

Q)Write shell script for commands :

bc,comm,chown,chgrp,cron,dd,diff,finger,find,ftp,lock,ln,lp,lpstat,mesg .



```
student@ai-HP-ProDesk-600-G4-MT: ~/9221409
student@ai-HP-ProDesk-600-G4-MT:~/9221409$ ./unix.sh
bash: ./unix.sh: Permission denied
student@ai-HP-ProDesk-600-G4-MT:~/9221409$ chmod +x unix.sh
student@ai-HP-ProDesk-600-G4-MT:~/9221409$ ./unix.sh
usage: bc [options] [file ...]
  -h --help          print this usage and exit
  -i --interactive   force interactive mode
  -l --mathlib       use the predefined math routines
  -q --quiet         don't print initial banner
  -s --standard      non-standard bc constructs are errors
  -w --warn          warn about non-standard bc constructs
  -v --version       print version information and exit

bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software Foundation, Inc.
value of sine 30 is
-.98803162409286178998
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type 'warranty'.
warranty
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software Foundation, Inc.

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 3 of the License , or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
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MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program. If not, write to

The Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor
Boston, MA 02110-1335  USA

^C
(interupt) use ctrl to exit
```

```
Activities Terminal Apr 4 11:13 student@al-HP-ProDesk-600-G4-MT: ~/9221409

The Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor
Boston, MA 02110-1335 USA

^C
(interrupt) use quit to exit.
quit
quit
comm: file 1 is not in sorted order
Markram
comm: file 2 is not in sorted order
Klassen
Abhishek sharma
Pat Cummins

Dhoni
comm: file 1 is not in sorted order
David Warner
KL Rahul
Hardik Pandya

comm: file 2 is not in sorted order

Dhoni
comm: file 1 is not in sorted order
David Warner
KL Rahul
Hardik Pandya

Markram
comm: file 2 is not in sorted order
Klassen
Abhishek sharma
Pat Cummins

comm: file 1 is not in sorted order
comm: file 2 is not in sorted order

Dhoni
comm: file 1 is not in sorted order

Dhoni
David Warner
KL Rahul
Hardik Pandya
```

```
Activities Terminal Apr 4 11:13 student@al-HP-ProDesk-600-G4-MT: ~/9221409

David Warner
KL Rahul
Hardik Pandya

Markram
comm: file 2 is not in sorted order
Klassen
Abhishek sharma
Pat Cummins

comm: file 1 is not in sorted order
comm: file 2 is not in sorted order

Dhoni
comm: file 1 is not in sorted order

Dhoni
David Warner
KL Rahul
Hardik Pandya

Markram
Klassen
Abhishek sharma
Pat Cummins

Dhoni
comm: file 1 is not in sorted order
David Warner
KL Rahul
Hardik Pandya

+Markram
comm: file 2 is not in sorted order
+Klassen
+Abhishek sharma
+Pat Cummins
ownership of 'file1.txt' retained as student
[sudo] password for student:
group of 'file1.txt' retained as student
Files file1.txt and file2.txt differ

1,5c1,4
< Dhoni
< David Warner
< KL Rahul
```

```
Activities Terminal Apr 4 11:13 student@al-HP-ProDesk-600-G4-MT: ~/9221409
< KL Rahul
< Hardik Pandya
<
---
> Markram
> Klassen
> Abhishek sharma
> Pat Cummins
*** file1.txt 2024-04-04 11:05:08.676385055 +0530
--- file2.txt 2024-04-04 11:06:08.596923098 +0530
*****
*** 1,5 ****
! Dhoni
! David Warner
! KL Rahul
! Hardik Pandya
!
--- 1,4 ----
! Markram
! Klassen
! Abhishek sharma
! Pat Cummins
--- file1.txt 2024-04-04 11:05:08.676385055 +0530
+++ file2.txt 2024-04-04 11:06:08.596923098 +0530
@@ -1,5 +1,4 @@
-Dhoni
-David Warner
-KL Rahul
-Hardik Pandya
+Markram
+Klassen
+Abhishek sharma
+Pat Cummins
1,5c
Markram
Klassen
Abhishek sharma
Pat Cummins
.
d1 5
a5 4
```

```
Activities Terminal Apr 4 11:13 student@al-HP-ProDesk-600-G4-MT: ~/9221409
a5 4
Markram
Klassen
Abhishek sharma
Pat Cummins
Dhoni
David Warner
KL Rahul
Hardik Pandya
1,5c1,4
< Dhoni
< David Warner
< KL Rahul
< Hardik Pandya
<
---
> Markram
> Klassen
> Abhishek sharma
> Pat Cummins
Login: student Name:
Directory: /home/student Shell: /bin/bash
On since Thu Apr 4 10:29 (IST) on :0 from :0 (messages off)
No mail.
No Plan.
Login Name Tty Idle Login Time Office Office Phone
student * :0 Apr 4 10:29 (:0)
Login: student Name:
Directory: /home/student Shell: /bin/bash
On since Thu Apr 4 10:29 (IST) on :0 from :0 (messages off)
No mail.
No Plan.
Login: student Name:
Directory: /home/student Shell: /bin/bash
On since Thu Apr 4 10:29 (IST) on :0 from :0 (messages off)
No mail.
No Plan.
Login: student Name:
Directory: /home/student Shell: /bin/bash
On since Thu Apr 4 10:29 (IST) on :0 from :0 (messages off)
No mail.
No Plan.
```

```
Activities Terminal Apr 4 11:13 student@al-HP-ProDesk-600-G4-MT: ~/9221409

On since Thu Apr 4 10:29 (IST) on :0 from :0 (messages off)
No mail.
No Plan.
./unix.sh: line 70: tnftp: command not found
./unix.sh: line 71: tnftp: command not found
./unix.sh: line 72: tnftp: command not found
./unix.sh: line 73: tnftp: command not found
./unix.sh: line 74: tnftp: command not found
./unix.sh: line 75: tnftp: command not found
./unix.sh: line 76: tnftp: command not found
./unix.sh: line 77: tnftp: command not found
./unix.sh: line 78: tnftp: command not found
Dhoni
David Warner
KL Rahul
Hardik Pandya

total 452K
35411402 -rwxrwxr-x 1 student student 1.7K Apr 4 11:09 unix.sh
35786480 drwxrwxr-x 5 student student 4.0K Mar 20 16:05 unix
35786478 -rw-rw-r-- 1 student student 28 Jan 19 11:23 state
35786372 -rw-rw-r-- 1 student student 764 Jan 4 11:44 sql1.txt
35786374 -rw-rw-r-- 1 student student 216K Jan 4 11:48 'Screenshot from 2024-01-04 11-48-12.png'
35786373 -rw-rw-r-- 1 student student 174K Jan 4 11:48 'Screenshot from 2024-01-04 11-48-08.png'
35786479 -rw-rw-r-- 1 student student 10 Jan 19 11:36 nun
35786166 drwxrwxr-x 3 student student 4.0K Jan 2 14:19 .metadata
35786481 -rw-rw-r-- 1 student student 32 Jan 19 11:47 hometown
35791475 lrwxrwxrwx 1 student student 9 Apr 4 11:11 file3.txt -> file1.txt
35791474 -rw-rw-r-- 1 student student 44 Apr 4 11:06 file2.txt
35791473 -rw-rw-r-- 1 student student 43 Apr 4 11:05 file1.txt
35786376 -rw-rw-r-- 1 student student 516 Jan 4 12:14 dept.txt
35786375 -rw-rw-r-- 1 student student 450 Jan 4 12:39 customer.txt
35786477 -rw-rw-r-- 1 student student 0 Jan 19 11:24 capital
35389916 drwxr-xr-x 65 student student 12K Apr 4 11:07 ..
35786165 drwxrwxr-x 4 student student 4.0K Apr 4 11:11 .
lpstat: Error - expected username after "-U" option.
Usage: lpstat [options]
Options:
-e Encrypt the connection to the server
-h server[:port] Connect to the named server and port
-l Show verbose (long) output
-U username Specify the username to use for authentication
-H Show the default server and port
-W completed Show completed jobs
-W not-completed Show pending jobs
-a [destination(s)] Show the accepting state of destinations
```

```
Activities Terminal Apr 4 11:13 student@al-HP-ProDesk-600-G4-MT: ~/9221409

-l Show verbose (long) output
-U username Specify the username to use for authentication
-H Show the default server and port
-W completed Show completed jobs
-W not-completed Show pending jobs
-a [destination(s)] Show the accepting state of destinations
-c [class(es)] Show classes and their member printers
-d Show the default destination
-e Show available destinations on the network
-o [destination(s)] Show jobs
-p [printer(s)] Show the processing state of destinations
-r Show whether the CUPS server is running
-R Show the ranking of jobs
-s Show a status summary
-t Show all status information
-u [user(s)] Show jobs queued by the current or specified users
-v [printer(s)] Show the devices for each destination
device for Brother_DCP_B7535DW_series: implicitclass://Brother_DCP_B7535DW_series/
device for Brother_DCP_B7535DW_series@BRNB422001E76C5.local: implicitclass://Brother_DCP_B7535DW_series%40BRNB422001E76C5.local/
device for Canon_Ir2006_2206: implicitclass://Canon_Ir2006_2206/
device for Canon_Ir2006_2206@Canon740b8d.local: implicitclass://Canon_Ir2006_2206%40Canon740b8d.local/
device for Canon_Ir2006_2206_1: implicitclass://Canon_Ir2006_2206_1/
device for Canon_Ir2006_2206_1@Canon740b33.local: implicitclass://Canon_Ir2006_2206_1%40Canon740b33.local/
device for Canon_Ir2006_2206_2: implicitclass://Canon_Ir2006_2206_2/
device for Canon_Ir2006_2206_3: implicitclass://Canon_Ir2006_2206_3/
device for Canon_MF260_1: implicitclass://Canon_MF260_1/
device for Canon_MF260_2: implicitclass://Canon_MF260_2/
device for HP_LaserJet_MFP_M72630dn_NP1FC3830: implicitclass://HP_LaserJet_MFP_M72630dn_NP1FC3830_/
device for HP_LaserJet_Pro_M329_DF1BC5: implicitclass://HP_LaserJet_Pro_M329_DF1BC5_/
device for HP_LaserJet_Pro_M329_DF8BEF: implicitclass://HP_LaserJet_Pro_M329_DF8BEF_/
device for jkmurthy_sos: implicitclass://jkmurthy_sos/
device for jkmurthy_sos@HPE808D1DF1BC5.local: implicitclass://jkmurthy_sos%40HPE808D1DF1BC5.local/
no system default destination
device for Brother_DCP_B7535DW_series: implicitclass://Brother_DCP_B7535DW_series/
device for Brother_DCP_B7535DW_series@BRNB422001E76C5.local: implicitclass://Brother_DCP_B7535DW_series%40BRNB422001E76C5.local/
device for Canon_Ir2006_2206: implicitclass://Canon_Ir2006_2206/
device for Canon_Ir2006_2206@Canon740b8d.local: implicitclass://Canon_Ir2006_2206%40Canon740b8d.local/
device for Canon_Ir2006_2206_1: implicitclass://Canon_Ir2006_2206_1/
device for Canon_Ir2006_2206_1@Canon740b33.local: implicitclass://Canon_Ir2006_2206_1%40Canon740b33.local/
device for Canon_Ir2006_2206_2: implicitclass://Canon_Ir2006_2206_2/
device for Canon_Ir2006_2206_3: implicitclass://Canon_Ir2006_2206_3/
device for Canon_MF260_1: implicitclass://Canon_MF260_1/
device for Canon_MF260_2: implicitclass://Canon_MF260_2/
device for HP_LaserJet_MFP_M72630dn_NP1FC3830: implicitclass://HP_LaserJet_MFP_M72630dn_NP1FC3830_/
device for HP_LaserJet_Pro_M329_DF1BC5: implicitclass://HP_LaserJet_Pro_M329_DF1BC5_/
device for HP_LaserJet_Pro_M329_DF8BEF: implicitclass://HP_LaserJet_Pro_M329_DF8BEF_/
```

```
Activities Terminal Apr 4 11:13 student@al-HP-ProDesk-600-G4-MT: ~/9221409

device for HP_LaserJet_Pro_M329_DF8BEF_: implicitclass://HP_LaserJet_Pro_M329_DF8BEF_/
device for jkmurthy_sos: implicitclass://jkmurthy_sos/
device for jkmurthy_sos@HPE808D1DF1BC5.local: implicitclass://jkmurthy_sos%40HPE808D1DF1BC5.local/
Brother_DCP_B7535DW_series accepting requests since Friday 16 July 2021 03:23:06 PM
Brother_DCP_B7535DW_series@BRNB422001E76C5.local accepting requests since Thursday 04 April 2024 10:28:19 AM
Canon_LR2006_2206 accepting requests since Tuesday 29 August 2023 02:16:58 PM
Canon_LR2006_2206@Canon740b8d.local accepting requests since Thursday 04 April 2024 10:40:52 AM
Canon_LR2006_2206_1 accepting requests since Friday 13 October 2023 02:42:29 PM
Canon_LR2006_2206_1@Canon740b33.local accepting requests since Thursday 04 April 2024 10:29:20 AM
Canon_LR2006_2206_2 accepting requests since Monday 09 October 2023 02:20:54 PM
Canon_LR2006_2206_3 accepting requests since Thursday 31 August 2023 12:21:57 AM
Canon_MF260_1 accepting requests since Thursday 03 March 2022 10:23:07 AM
Canon_MF260_2 accepting requests since Thursday 03 March 2022 02:12:26 PM
HP_LaserJet_MFP_M72630dn_NP1FC3830_ accepting requests since Tuesday 26 October 2021 09:09:05 AM
HP_LaserJet_Pro_M329_DF1BC5_ accepting requests since Tuesday 26 April 2022 11:53:16 AM
HP_LaserJet_Pro_M329_DF8BEF_ accepting requests since Sunday 28 November 2021 12:24:27 AM
jkmurthy_sos accepting requests since Friday 04 August 2023 09:59:27 AM
jkmurthy_sos@HPE808D1DF1BC5.local accepting requests since Monday 28 August 2023 02:11:18 PM
Brother_DCP_B7535DW_series
Brother_DCP_B7535DW_series@BRNB422001E76C5.local
Canon_LR2006_2206
Canon_LR2006_2206@Canon740b8d.local
Canon_LR2006_2206_1
Canon_LR2006_2206_1@Canon740b33.local
Canon_LR2006_2206_2
Canon_LR2006_2206_3
Canon_MF260_1
Canon_MF260_2
HP_LaserJet_MFP_M72630dn_NP1FC3830_
HP_LaserJet_Pro_M329_DF1BC5_
HP_LaserJet_Pro_M329_DF8BEF_
jkmurthy_sos
jkmurthy_sos@HPE808D1DF1BC5.local
printer Brother_DCP_B7535DW_series is idle, enabled since Friday 16 July 2021 03:23:06 PM
printer Brother_DCP_B7535DW_series@BRNB422001E76C5.local is idle, enabled since Thursday 04 April 2024 10:28:19 AM
printer Canon_LR2006_2206 is idle, enabled since Tuesday 29 August 2023 02:16:58 PM
printer Canon_LR2006_2206@Canon740b8d.local is idle, enabled since Thursday 04 April 2024 10:40:52 AM
printer Canon_LR2006_2206_1 is idle, enabled since Friday 13 October 2023 02:42:29 PM
printer Canon_LR2006_2206_1@Canon740b33.local is idle, enabled since Thursday 04 April 2024 10:29:20 AM
printer Canon_LR2006_2206_2 is idle, enabled since Monday 09 October 2023 02:20:54 PM
printer Canon_LR2006_2206_3 is idle, enabled since Thursday 31 August 2023 12:21:57 AM
printer Canon_MF260_1 is idle, enabled since Thursday 03 March 2022 10:23:07 AM
printer Canon_MF260_2 is idle, enabled since Thursday 03 March 2022 02:12:26 PM
printer HP_LaserJet_MFP_M72630dn_NP1FC3830_ is idle, enabled since Tuesday 26 October 2021 09:09:05 AM
printer HP_LaserJet_Pro_M329_DF1BC5_ is idle, enabled since Tuesday 26 April 2022 11:53:16 AM
printer HP_LaserJet_Pro_M329_DF8BEF_ is idle, enabled since Sunday 28 November 2021 12:24:27 AM
```

```
Activities Terminal Apr 4 11:14 student@al-HP-ProDesk-600-G4-MT: ~/9221409

Brother_DCP_B7535DW_series
Brother_DCP_B7535DW_series@BRNB422001E76C5.local
Canon_LR2006_2206
Canon_LR2006_2206@Canon740b8d.local
Canon_LR2006_2206_1
Canon_LR2006_2206_1@Canon740b33.local
Canon_LR2006_2206_2
Canon_LR2006_2206_3
Canon_MF260_1
Canon_MF260_2
HP_LaserJet_MFP_M72630dn_NP1FC3830_
HP_LaserJet_Pro_M329_DF1BC5_
HP_LaserJet_Pro_M329_DF8BEF_
jkmurthy_sos
jkmurthy_sos@HPE808D1DF1BC5.local
printer Brother_DCP_B7535DW_series is idle, enabled since Friday 16 July 2021 03:23:06 PM
printer Brother_DCP_B7535DW_series@BRNB422001E76C5.local is idle, enabled since Thursday 04 April 2024 10:28:19 AM
printer Canon_LR2006_2206 is idle, enabled since Tuesday 29 August 2023 02:16:58 PM
printer Canon_LR2006_2206@Canon740b8d.local is idle, enabled since Thursday 04 April 2024 10:40:52 AM
printer Canon_LR2006_2206_1 is idle, enabled since Friday 13 October 2023 02:42:29 PM
printer Canon_LR2006_2206_1@Canon740b33.local is idle, enabled since Thursday 04 April 2024 10:29:20 AM
printer Canon_LR2006_2206_2 is idle, enabled since Monday 09 October 2023 02:20:54 PM
printer Canon_LR2006_2206_3 is idle, enabled since Thursday 31 August 2023 12:21:57 AM
printer Canon_MF260_1 is idle, enabled since Thursday 03 March 2022 10:23:07 AM
printer Canon_MF260_2 is idle, enabled since Thursday 03 March 2022 02:12:26 PM
printer HP_LaserJet_MFP_M72630dn_NP1FC3830_ is idle, enabled since Tuesday 26 October 2021 09:09:05 AM
printer HP_LaserJet_Pro_M329_DF1BC5_ is idle, enabled since Tuesday 26 April 2022 11:53:16 AM
printer HP_LaserJet_Pro_M329_DF8BEF_ is idle, enabled since Sunday 28 November 2021 12:24:27 AM
printer jkmurthy_sos is idle, enabled since Friday 04 August 2023 09:59:27 AM
printer jkmurthy_sos@HPE808D1DF1BC5.local is idle, enabled since Monday 28 August 2023 02:11:18 PM
is n
msg from util-linux 2.34

Usage:
msg [options] [y | n]

Control write access of other users to your terminal.

Options:
-v, --verbose explain what is being done
-h, --help display this help
-V, --version display version

For more details see msg(1).
student@al-HP-ProDesk-600-G4-MT:~/9221409$
```