ASSIGNMENT - 1

1) man, name, pwd, hostname, date , cal, cal -y

```
~ — -zsh                                                                    +
madhurgupta@Madhurs-MacBook-Air ~ % man cal
Unknown locale, assuming C
madhurgupta@Madhurs-MacBook-Air ~ % uname
Darwin
madhurgupta@Madhurs-MacBook-Air ~ % pwd
/Users/madhurgupta
madhurgupta@Madhurs-MacBook-Air ~ % hostname
Madhurs-MacBook-Air.local
madhurgupta@Madhurs-MacBook-Air ~ % date
Wed Dec  6 17:29:57 IST 2023
madhurgupta@Madhurs-MacBook-Air ~ % cak
zsh: command not found: cak
madhurgupta@Madhurs-MacBook-Air ~ % cal
   December 2023
Su Mo Tu We Th Fr Sa
                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
madhurgupta@Madhurs-MacBook-Air ~ % ca l -y
zsh: command not found: ca
madhurgupta@Madhurs-MacBook-Air ~ % cal -y
                          2023
      January               February               March
Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa
 1  2  3  4  5  6  7             1  2  3  4             1  2  3  4
 8  9 10 11 12 13 14    5  6  7  8  9 10 11    5  6  7  8  9 10 11
15 16 17 18 19 20 21   12 13 14 15 16 17 18   12 13 14 15 16 17 18
22 23 24 25 26 27 28   19 20 21 22 23 24 25   19 20 21 22 23 24 25
29 30 31               26 27 28               26 27 28 29 30 31

       April                  May                   June
Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa
                   1       1  2  3  4  5  6                1  2  3
 2  3  4  5  6  7  8    7  8  9 10 11 12 13    4  5  6  7  8  9 10
 9 10 11 12 13 14 15   14 15 16 17 18 19 20   11 12 13 14 15 16 17
16 17 18 19 20 21 22   21 22 23 24 25 26 27   18 19 20 21 22 23 24
23 24 25 26 27 28 29   28 29 30 31            25 26 27 28 29 30
30

        July                 August               September
Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa
                   1          1  2  3  4  5                   1  2
 2  3  4  5  6  7  8    6  7  8  9 10 11 12    3  4  5  6  7  8  9
 9 10 11 12 13 14 15   13 14 15 16 17 18 19   10 11 12 13 14 15 16
16 17 18 19 20 21 22   20 21 22 23 24 25 26   17 18 19 20 21 22 23
23 24 25 26 27 28 29   27 28 29 30 31         24 25 26 27 28 29 30
30 31

      October               November               December
Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa   Su Mo Tu We Th Fr Sa
 1  2  3  4  5  6  7             1  2  3  4                1  2
 8  9 10 11 12 13 14    5  6  7  8  9 10 11    3  4  5  6  7  8  9
15 16 17 18 19 20 21   12 13 14 15 16 17 18   10 11 12 13 14 15 16
22 23 24 25 26 27 28   19 20 21 22 23 24 25   17 18 19 20 21 22 23
29 30 31               26 27 28 29 30         24 25 26 27 28 29 30
                                              31
madhurgupta@Madhurs-MacBook-Air ~ %
```

2) ls, ls -a, pwd, mkdir, cd, cat > file1.txt

```
madhurgupta@Madhurs-MacBook-Air ~ % ls
@               Downloads       Modules         Pictures        Python          login.keychain
Applications    Library         Movies          Postman         config.log      procedures.txt
CCODES          Makefile        Music           Programs        config.status   pyconfig.h
Desktop         Makefile.pre    Objects         Public          functions.txt   triggers.txt
Documents       Misc            Parser          PycharmProjects git_projects
madhurgupta@Madhurs-MacBook-Air ~ % dir
zsh: command not found: dir
madhurgupta@Madhurs-MacBook-Air ~ % ls -a
.                       .lesshst                .wget-hsts              Movies
..                      .local                  .zcompdump              Music
.CFUserTextEncoding     .matplotlib             .zprofile               Objects
.DS_Store               .mongodb                .zprofile.pysave        Parser
.IdentityService        .mono                   .zsh_history            Pictures
.ServiceHub             .my.cnf                 .zsh_sessions           Postman
.Trash                  .mysql_history          .zshrc                  Programs
.android                .npm                    @                       Public
.aspnet                 .nuget                  Applications            PycharmProjects
.boto                   .quokka                 CCODES                  Python
.cache                  .redhat                 Desktop                 config.log
.config                 .ssh                    Documents               config.status
.dotnet                 .sts4                   Downloads               functions.txt
.eclipse                .templateengine         Library                 git_projects
.gitconfig              .terraform.d            Makefile                login.keychain
.gnupg                  .viminfo                Makefile.pre            procedures.txt
.gsutil                 .vscode                 Misc                    pyconfig.h
.idlerc                 .wallaby                Modules                 triggers.txt
madhurgupta@Madhurs-MacBook-Air ~ % pwd
/Users/madhurgupta
madhurgupta@Madhurs-MacBook-Air ~ % mkdir linux_01
madhurgupta@Madhurs-MacBook-Air ~ % ls
@               Downloads       Modules         Pictures        Python          linux_01
Applications    Library         Movies          Postman         config.log      login.keychain
CCODES          Makefile        Music           Programs        config.status   procedures.txt
Desktop         Makefile.pre    Objects         Public          functions.txt   pyconfig.h
Documents       Misc            Parser          PycharmProjects git_projects    triggers.txt
madhurgupta@Madhurs-MacBook-Air ~ % cd linux_01
madhurgupta@Madhurs-MacBook-Air linux_01 % ls
madhurgupta@Madhurs-MacBook-Air linux_01 % cat > file1.txt
Hi from Madhur Gupta
How are you doing?^D
madhurgupta@Madhurs-MacBook-Air linux_01 %
```

3) cat >> file1.txt, touch, cp (file to file) (file to directory)

```
[madhurgupta@Madhurs-MacBook-Air linux_01 % ls
file1.txt
[madhurgupta@Madhurs-MacBook-Air linux_01 % cat >> file1.txt
I am good.
Fine Thank you.^D
[madhurgupta@Madhurs-MacBook-Air linux_01 % cat file1.txt
Hi from Madhur Gupta
How are you doing?
I am good.
Fine Thank you.
[madhurgupta@Madhurs-MacBook-Air linux_01 % touch file2.txr
[madhurgupta@Madhurs-MacBook-Air linux_01 % rm file2.txr
[madhurgupta@Madhurs-MacBook-Air linux_01 % touch file2.txt file3.txt file4.txt
[madhurgupta@Madhurs-MacBook-Air linux_01 % ls
file1.txt        file2.txt        file3.txt        file4.txt
[madhurgupta@Madhurs-MacBook-Air linux_01 % cat file1.txt
Hi from Madhur Gupta
How are you doing?
I am good.
Fine Thank you.
[madhurgupta@Madhurs-MacBook-Air linux_01 % cp file1.txt file2.txt
[madhurgupta@Madhurs-MacBook-Air linux_01 % LS
file1.txt        file2.txt        file3.txt        file4.txt
[madhurgupta@Madhurs-MacBook-Air linux_01 % cat file2.txt
Hi from Madhur Gupta
How are you doing?
I am good.
Fine Thank you.
[madhurgupta@Madhurs-MacBook-Air linux_01 % cp file1.txt Temp
[madhurgupta@Madhurs-MacBook-Air linux_01 % ls
Temp             file1.txt        file2.txt        file3.txt        file4.txt
[madhurgupta@Madhurs-MacBook-Air linux_01 % cat Temp
Hi from Madhur Gupta
How are you doing?
I am good.
Fine Thank you.
[madhurgupta@Madhurs-MacBook-Air linux_01 % rm Temp
[madhurgupta@Madhurs-MacBook-Air linux_01 % LS
file1.txt        file2.txt        file3.txt        file4.txt
[madhurgupta@Madhurs-MacBook-Air linux_01 % cp file1.txt Temp/
cp: directory Temp does not exist
[madhurgupta@Madhurs-MacBook-Air linux_01 % mkdir Temp1/
[madhurgupta@Madhurs-MacBook-Air linux_01 % ls
Temp1            file1.txt        file2.txt        file3.txt        file4.txt
[madhurgupta@Madhurs-MacBook-Air linux_01 % cd Temp1
[madhurgupta@Madhurs-MacBook-Air Temp1 % LS
[madhurgupta@Madhurs-MacBook-Air Temp1 % ls
[madhurgupta@Madhurs-MacBook-Air Temp1 % cd ..
[madhurgupta@Madhurs-MacBook-Air linux_01 % ls
Temp1            file1.txt        file2.txt        file3.txt        file4.txt
[madhurgupta@Madhurs-MacBook-Air linux_01 % cp file1.txt Temp1
[madhurgupta@Madhurs-MacBook-Air linux_01 % cd Temp1
[madhurgupta@Madhurs-MacBook-Air Temp1 % ls
file1.txt
madhurgupta@Madhurs-MacBook-Air Temp1 %
```

4) mv (rename and file move to directory), rev, wc, rm, sort,

```
madhurgupta@Madhurs-MacBook-Air linux_01 % mv file3.txt Temp1
madhurgupta@Madhurs-MacBook-Air linux_01 % cd Temp1
madhurgupta@Madhurs-MacBook-Air Temp1 % LS
file1.txt        file3.txt
madhurgupta@Madhurs-MacBook-Air Temp1 % cd ..
madhurgupta@Madhurs-MacBook-Air linux_01 % mv file4.txt new.txt
madhurgupta@Madhurs-MacBook-Air linux_01 % ls
Temp1            file1.txt        file2.txt        new.txt
madhurgupta@Madhurs-MacBook-Air linux_01 % tac file
zsh: command not found: tac
madhurgupta@Madhurs-MacBook-Air linux_01 % tac file1.txt
zsh: command not found: tac
madhurgupta@Madhurs-MacBook-Air linux_01 % cat file1.txt
Hi from Madhur Gupta
How are you doing?
I am good.
Fine Thank you.
madhurgupta@Madhurs-MacBook-Air linux_01 % tac file1.txt
zsh: command not found: tac
madhurgupta@Madhurs-MacBook-Air linux_01 % rev file1.txt
atpuG ruhdaM morf iH
?gniod uoy era woH
.doog ma I
.uoy knahT eniF
madhurgupta@Madhurs-MacBook-Air linux_01 % wc file1.txt
       4      14      67 file1.txt
madhurgupta@Madhurs-MacBook-Air linux_01 % rm -r Temp1
madhurgupta@Madhurs-MacBook-Air linux_01 % ls
file1.txt        file2.txt        new.txt
madhurgupta@Madhurs-MacBook-Air linux_01 % sort file1.txt
Fine Thank you.
Hi from Madhur Gupta
How are you doing?
I am good.
madhurgupta@Madhurs-MacBook-Air linux_01 % cat >> file1.txt
Madhur
Piyush
Sarvesh
Saurabh
Madhur
Saurabh
Abhay
Abhay
Saurabh
Madhur
Piyush
```

5) head, tail , ps , env

```
madhurgupta@Madhurs-MacBook-Air linux_01 % head file1.txt                                    ]
It's a lovely day
It's a lovely day
It's a lovely day

MADHUR
MADHUR
MADHUR

I love Music
I love Music
madhurgupta@Madhurs-MacBook-Air linux_01 % tail file1.txt                                    ]
2332
42
42
4
23
324
234
23
23
23
madhurgupta@Madhurs-MacBook-Air linux_01 % ps                                                ]
  PID TTY           TIME CMD
 2914 ttys000    0:01.28 -zsh
madhurgupta@Madhurs-MacBook-Air linux_01 % env                                              ]
__CFBundleIdentifier=com.apple.Terminal
TMPDIR=/var/folders/qf/mttqd0pn7pbfn8s_1sv31gc00000gn/T/
XPC_FLAGS=0x0
LaunchInstanceID=709E8385-92D9-4540-AE88-4875849F0A77
TERM=xterm-256color
SSH_AUTH_SOCK=/private/tmp/com.apple.launchd.Ftv0srE5sH/Listeners
SECURITYSESSIONID=186af
XPC_SERVICE_NAME=0
TERM_PROGRAM=Apple_Terminal
TERM_PROGRAM_VERSION=450
TERM_SESSION_ID=AFFA5B31-585E-4C38-A2F4-85083DA9151B
SHELL=/bin/zsh
HOME=/Users/madhurgupta
LOGNAME=madhurgupta
USER=madhurgupta
PATH=/opt/homebrew/opt/openjdk@11/bin:/Users/madhurgupta/Downloads/google-cloud-sdk/bin:/Library/Fra
meworks/Python.framework/Versions/3.11/bin:/opt/homebrew/bin:/opt/homebrew/sbin:/usr/local/bin:/Syst
em/Cryptexes/App/usr/bin:/usr/bin:/bin:/usr/sbin:/sbin:/var/run/com.apple.security.cryptexd/codex.sy
stem/bootstrap/usr/local/bin:/var/run/com.apple.security.cryptexd/codex.system/bootstrap/usr/bin:/va
r/run/com.apple.security.cryptexd/codex.system/bootstrap/usr/appleinternal/bin:/usr/local/share/dotn
et:~/.dotnet/tools
SHLVL=1
PWD=/Users/madhurgupta/linux_01
OLDPWD=/Users/madhurgupta/linux_01/Temp1
HOMEBREW_PREFIX=/opt/homebrew
HOMEBREW_CELLAR=/opt/homebrew/Cellar
HOMEBREW_REPOSITORY=/opt/homebrew
MANPATH=/opt/homebrew/share/man::
INFOPATH=/opt/homebrew/share/info:
```

6) echo

```
madhurgupta@Madhurs-MacBook-Air linux_01 % x=20                                              ]
madhurgupta@Madhurs-MacBook-Air linux_01 % echo $x                                          ]
 20
madhurgupta@Madhurs-MacBook-Air linux_01 % █
```