

Basics of functions

1) Write a program with two functions:

a. The first function should display disk space usage in human readable form.

(Hint: `df -h`)

b. The second function should display filesystem usage in human readable form.

(Hint: `du -h`)

```
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1 #!/bin/bash
2 disk_space()
3 {
4     echo "Disk space information";
5     df -h | more
6 }
7 file_sys()
8 {
9     echo "File System status";
10    du -h | more
11 }
12
13 echo "MAIN PROGRAM"
14 disk_space
15 file_sys
16 echo "End of execution"
```

```
bgmadhavan@bgm-virtual-machine:~$ gedit func.sh &
[1] 38035
bgmadhavan@bgm-virtual-machine:~$ chmod +x func.sh
bgmadhavan@bgm-virtual-machine:~$ ./func.sh
MAIN PROGRAM
Disk space information
Filesystem      Size  Used Avail Use% Mounted on
tmpfs           388M  2.1M  386M   1% /run
/dev/sda3       20G   13G   5.5G  70% /
tmpfs           1.9G   0    1.9G   0% /dev/shm
tmpfs           5.0M   4.0K  5.0M   1% /run/lock
/dev/sda2       512M   6.1M  506M   2% /boot/efi
tmpfs           388M  120K  388M   1% /run/user/1000
/dev/sr0        156M  156M   0 100% /media/bgmadhavan/CDROM
/dev/sr1        4.7G   4.7G   0 100% /media/bgmadhavan/Ubuntu 22.04.3 LTS amd64
File System status
8.0K  ./config/gedit
4.0K  ./config/gnome-session/saved-session
8.0K  ./config/gnome-session
4.0K  ./config/enchant
```