EmbedUR - Linux Training Program

Module - 4

Assignment – 29 (Basics of Functions)

1) Write a program with two functions:
   a. The first function should display diskspace usage in human readable form.
      (Hint: df -h)
   b. The second function should display filesystem usage in human readable form.
      (Hint: du -h)

Output:

```
aswinsankesh@aswin-linux:~$ gedit functions.sh &
[2] 2558
aswinsankesh@aswin-linux:~$ chmod +x functions.sh
[2]+  Done                    gedit functions.sh
aswinsankesh@aswin-linux:~$ ./functions.sh
Disk space used:
Filesystem      Size  Used Avail Use% Mounted on
tmpfs           196M  1.5M  195M   1% /run
/dev/sda3        24G   13G   11G  56% /
tmpfs           980M     0  980M   0% /dev/shm
tmpfs           5.0M  4.0K  5.0M   1% /run/lock
/dev/sda2       512M  6.1M  506M   2% /boot/efi
tmpfs           196M  100K  196M   1% /run/user/1000
File system used:
4.0K    ./Public
4.0K    ./Pictures
12K     ./.cache/update-manager-core
4.0K    ./.cache/ibus-table
8.0K    ./.cache/ubuntu-report
8.0K    ./.cache/mesa_shader_cache/09
8.0K    ./.cache/mesa_shader_cache/2b
8.0K    ./.cache/mesa_shader_cache/6e
8.0K    ./.cache/mesa_shader_cache/42
8.0K    ./.cache/mesa_shader_cache/40
```

File:

```
#!/bin/bash

diskspace()
{
  df -h
  }

fileusage()
{
 du -h
 }

 echo "Disk space used: "
 diskspace
 echo "File system used: "
 fileusage

```

Explanation:

df –h => displays the disk space left in human readable form

du –h => displace the file system used in human readable form