

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.

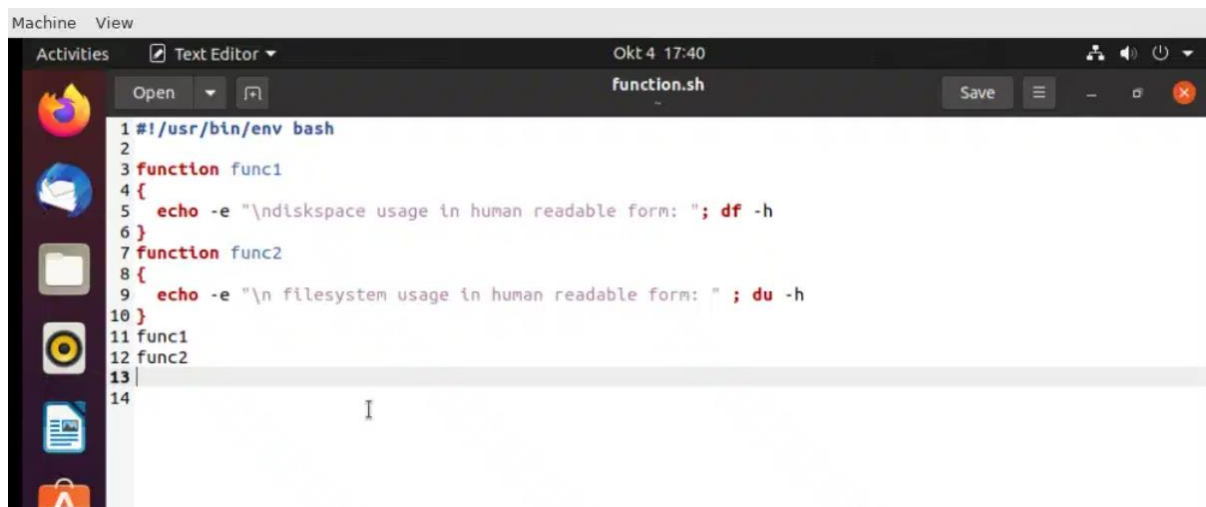
(Hint: `du -h`)

#commands in terminal

```
gedit function.sh  
chmod +x function.sh  
./function.sh
```

#commands in shell script

```
#!/usr/bin/env bash  
function func1  
{  
echo -e "\ndiskspace usage in human readable form:" df -h  
}  
function func2  
{  
echo -e "\n filesystem usage in human readable form:" du -h  
}  
func1  
func2
```



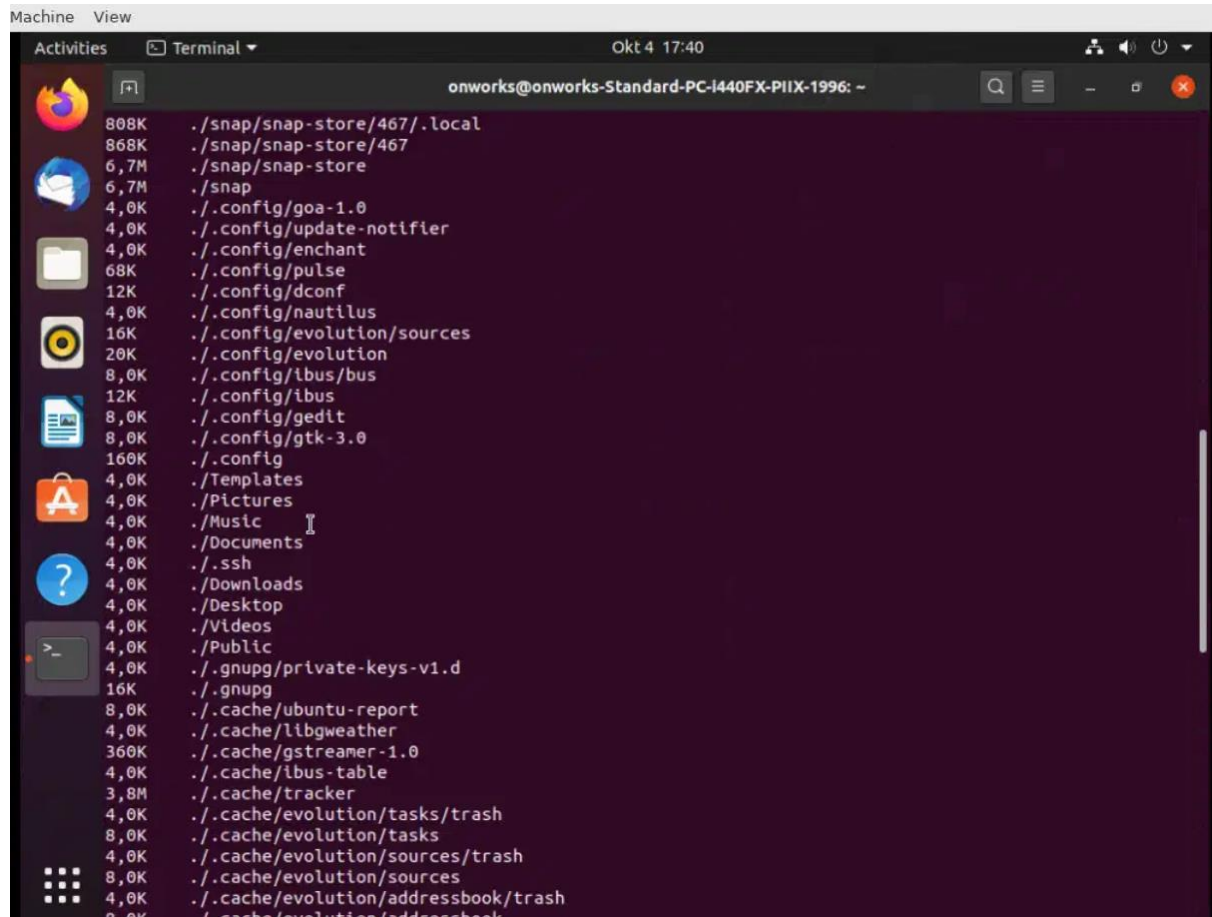
The screenshot shows a Linux desktop environment with a terminal window open. The terminal title is "function.sh". The command prompt is "Machine View". The terminal output shows the execution of the script, which defines two functions, func1 and func2, and calls them. The output of func1 is "diskspace usage in human readable form:" followed by the output of the "df -h" command. The output of func2 is " filesystem usage in human readable form:" followed by the output of the "du -h" command.

```
Machine View  
Activities Text Editor  
function.sh  
Save  
1 #!/usr/bin/env bash  
2  
3 function func1  
4 {  
5   echo -e "\ndiskspace usage in human readable form: "; df -h  
6 }  
7 function func2  
8 {  
9   echo -e "\n filesystem usage in human readable form: "; du -h  
10 }  
11 func1  
12 func2  
13  
14
```

```
Machine View
Activities Terminal Okt 4 17:39
onworks@onworks-Standard-PC-l440FX-PIIX-1996: ~
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ gedit function.sh
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ chmod +x function.sh
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ ./function.sh

diskspace usage in human readable form:
Filesystem      Size  Used Avail Use% Mounted on
udev            1,4G   0 1,4G   0% /dev
tmpfs           293M  1,4M 291M   1% /run
/dev/sda5       29G   7,0G 21G  26% /
tmpfs           1,5G   0 1,5G   0% /dev/shm
tmpfs           5,0M   4,0K 5,0M   1% /run/lock
tmpfs           1,5G   0 1,5G   0% /sys/fs/cgroup
/dev/loop1      256M  256M   0 100% /snap/gnome-3-34-1804/36
/dev/loop2       63M   63M   0 100% /snap/gtk-common-themes/1506
/dev/loop0       55M   55M   0 100% /snap/core18/1880
/dev/loop3       50M   50M   0 100% /snap/snap-store/467
/dev/loop4       30M   30M   0 100% /snap/snapd/8542
/dev/sda1       511M   4,0K 511M   1% /boot/efi
tmpfs           293M  40K 293M   1% /run/user/1000
```

```
Machine View
Activities Terminal Okt 4 17:39
onworks@onworks-Standard-PC-l440FX-PIIX-1996: ~
filesystem usage in human readable form:
24K  ./snap/snap-store/common/.cache/gio-modules
132K ./snap/snap-store/common/.cache/gnome-software/icons
4,2M ./snap/snap-store/common/.cache/gnome-software/appstream
924K ./snap/snap-store/common/.cache/gnome-software/odrs
464K ./snap/snap-store/common/.cache/gnome-software/fwupd/remotes.d/lvfs
468K ./snap/snap-store/common/.cache/gnome-software/fwupd/remotes.d
472K ./snap/snap-store/common/.cache/gnome-software/fwupd
28K  ./snap/snap-store/common/.cache/gnome-software/cssresource
5,7M ./snap/snap-store/common/.cache/gnome-software
60K  ./snap/snap-store/common/.cache/fontconfig
68K  ./snap/snap-store/common/.cache/immodules
5,8M ./snap/snap-store/common/.cache
5,9M ./snap/snap-store/common
4,0K  ./snap/snap-store/467/.config/dconf
8,0K  ./snap/snap-store/467/.config/fontconfig
4,0K  ./snap/snap-store/467/.config/ibus
4,0K  ./snap/snap-store/467/.config/gtk-2.0
4,0K  ./snap/snap-store/467/.config/gtk-3.0
8,0K  ./snap/snap-store/467/.config/autostart
52K   ./snap/snap-store/467/.config
324K  ./snap/snap-store/467/.local/share/icons/Humanity
84K   ./snap/snap-store/467/.local/share/icons/ubuntu-mono-dark
44K   ./snap/snap-store/467/.local/share/icons/Humanity-Dark
92K   ./snap/snap-store/467/.local/share/icons/ubuntu-mono-light
44K   ./snap/snap-store/467/.local/share/icons/Adwaita
8,0K  ./snap/snap-store/467/.local/share/icons/LoginIcons
8,0K  ./snap/snap-store/467/.local/share/icons/hicolor
608K  ./snap/snap-store/467/.local/share/icons
188K  ./snap/snap-store/467/.local/share/glib-2.0/schemas
192K  ./snap/snap-store/467/.local/share/glib-2.0
804K  ./snap/snap-store/467/.local/share
808K  ./snap/snap-store/467/.local
868K  ./snap/snap-store/467
6,7M  ./snap/snap-store
6,7M  ./snap
4,0K  ./config/goa-1.0
4,0K  ./config/update-notifier
4,0K  ./config/enchant
```



```
808K ./snap/snap-store/467/.local
868K ./snap/snap-store/467
6,7M ./snap/snap-store
6,7M ./snap
4,0K ./config/goa-1.0
4,0K ./config/update-notifier
4,0K ./config/enchant
68K ./config/pulse
12K ./config/dconf
4,0K ./config/nautilus
16K ./config/evolution/sources
20K ./config/evolution
8,0K ./config/ibus/bus
12K ./config/ibus
8,0K ./config/gedit
8,0K ./config/gtk-3.0
160K ./config
4,0K ./Templates
4,0K ./Pictures
4,0K ./Music
4,0K ./Documents
4,0K ./ssh
4,0K ./Downloads
4,0K ./Desktop
4,0K ./Videos
4,0K ./Public
4,0K ./gnupg/private-keys-v1.d
16K ./gnupg
8,0K ./cache/ubuntu-report
4,0K ./cache/libgweather
360K ./cache/gstreamer-1.0
4,0K ./cache/ibus-table
3,8M ./cache/tracker
4,0K ./cache/evolution/tasks/trash
8,0K ./cache/evolution/tasks
4,0K ./cache/evolution/sources/trash
8,0K ./cache/evolution/sources
4,0K ./cache/evolution/addressbook/trash
8,0K ./cache/evolution/addressbook
```