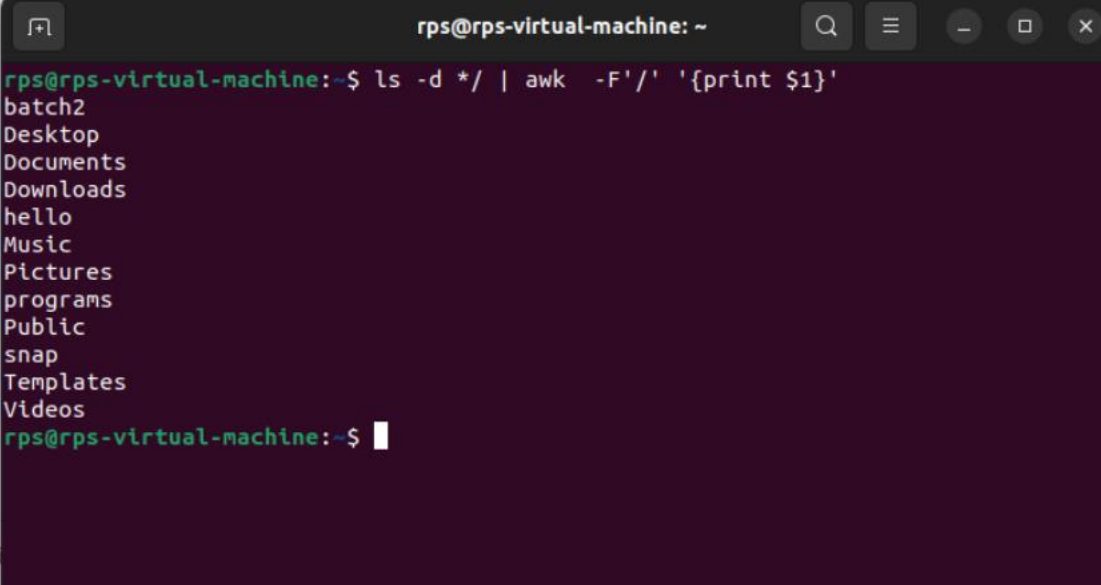


Assignment6. display all the directory names.

Solution:

To display the directory name we use the command `ls -d */ | awk -F '/' '{print $1}'`

A terminal window titled 'rps@rps-virtual-machine: ~' with search, menu, and window control icons. The command 'ls -d */ | awk -F '/' '{print \$1}'' is entered and executed. The output lists the following directories: batch2, Desktop, Documents, Downloads, hello, Music, Pictures, programs, Public, snap, Templates, and Videos. The prompt 'rps@rps-virtual-machine:~\$' is shown at the bottom with a cursor.

```
rps@rps-virtual-machine:~$ ls -d */ | awk -F '/' '{print $1}'
batch2
Desktop
Documents
Downloads
hello
Music
Pictures
programs
Public
snap
Templates
Videos
rps@rps-virtual-machine:~$
```

1. **ls -d */:** This lists all directories in the current directory. The **-d** flag tells **ls** to list directories themselves, not their contents, and the ***/** part ensures that only directories are listed.
2. **awk -F '/' '{print \$1}':** This command takes each line of output from **ls -d */** and prints only the directory name. **-F '/'** sets the field separator to **/**, so **awk** can extract the directory name.

Save this script in a file, let's say **list_directories.sh**, and make it executable using **chmod +x list_directories.sh**. Then you can run it using **./list_directories.sh** in the directory where you want to list directories.