

## USP Lab Test - 1

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Batch: A2

4a) Write a shell script to List all the directories in new line and Shell Script files in the home Directory in new line using proper regular expression command.

4b. Write a shell script to accept three command Line parameters and perform pattern matching for each of the parameter to the file emp.lst using for loop.  
(emp.lst fields:ID,name, dob,salary,designation)

**Write Up:**

UNIX LAB TEST - 1

BHUSHITH GAGAN  
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19/11/2020  
A2 BATCH

4a) ~~for pattern in "JE"~~  
do  
grep "~~\$pattern~~" emp.lst || echo "~~\$pattern not found~~"  
done

// write a shell script to list all directories <sup>& shell scripts</sup> in new line using reg. exp.

4a) ~~dir = \$(ls -l \$HOME | grep ^[d])~~  
~~echo "D"~~  
echo "Directories: \$dir"  
sh = \$(ls -l \$HOME | grep \*sh)  
echo "Shell scripts: \$sh"

4b) echo "The Patterns to be found are: \$1 \$2 \$3"  
for word in `cat emp.lst`  
do  
case \$word in  
\$1)  
echo "\$1 Pattern found";;  
\$2) echo "\$2 Pattern found";;  
\$3) echo "\$3 Pattern found";;  
esac  
done

// matching Patterns with 3 inputs

## Program:

4a)

```
dir=$(ls -l $HOME | grep ^[d])
echo "Directories:$dir"
sh=$(ls -l $HOME | grep *.sh)
echo "Shell scripts:$sh"
```

4b)

```
echo "the patterns to be found are: $1 $2 $3"
for word in `cat emp.lst`
do
    case $word in
        $1)
            echo "$1 pattern found";;
        $2)
            echo "$2 pattern found";;
        $3)
            echo "$3 pattern found";;
        esac
done
```

## Outputs:

4a)

```
(base) Bhushith-Gagan:Unis-Lab-Test-1 nbvenkatesh88$ sh Test1.sh
Directories:drwxr-xr-x  15 nbvenkatesh88  staff   480 Nov 18 13:13 AndroidStudioProjects
drwx-----  3 nbvenkatesh88  staff    96 Jul 30  2018 Applications
drwx-----@  3 nbvenkatesh88  staff    96 Jul 30  2018 Applications (Parallels)
drwxrwxr-x@  4 nbvenkatesh88  staff   128 Aug 31 22:18 Creative Cloud Files
drwx-----+ 57 nbvenkatesh88  staff  1824 Nov 19 14:33 Desktop
drwx-----+  6 nbvenkatesh88  staff   192 Aug 30 14:44 Documents
drwx-----+158 nbvenkatesh88  staff  5056 Nov 17 17:30 Downloads
drwx-----@ 92 nbvenkatesh88  staff  2944 Sep 30 23:12 Library
drwx-----+ 13 nbvenkatesh88  staff   416 Jul 25 16:42 Movies
drwx-----+ 11 nbvenkatesh88  staff   352 Jul 25 16:42 Music
drwxr-xr-x  10 nbvenkatesh88  staff   320 Nov  6 13:52 PacketTracer7
drwx-----+ 18 nbvenkatesh88  staff   576 Jul 25 16:42 Pictures
drwxr-xr-x+  5 nbvenkatesh88  staff   160 Oct  4  2016 Public
drwxr-xr-x  3 nbvenkatesh88  staff    96 Apr 14  2017 Tenorshare
drwxr-xr-x  3 nbvenkatesh88  staff    96 Jan 15  2020 VirtualBox VMs
drwxr-xr-x  2 nbvenkatesh88  staff    64 Aug 20  2019 ds_bgwork
drwxr-xr-x 96 nbvenkatesh88  staff  3072 Nov 29  2019 java_bgwork
drwxr-xr-x 10 nbvenkatesh88  staff   320 Oct  6  2019 my-app
drwxr-xr-x  9 nbvenkatesh88  staff   288 Nov 24  2019 node_modules
drwxr-xr-x  3 nbvenkatesh88  staff    96 Jan 18  2020 pipwin
drwxr-xr-x  9 nbvenkatesh88  staff   288 Sep 16  2018 tensorflow
Shell scripts:
(base) Bhushith-Gagan:Unis-Lab-Test-1 nbvenkatesh88$ _
```

4b)

```
(base) Bhushith-Gagan:Unis-Lab-Test-1 nbvenkatesh88$ sh test2.sh
the patterns to be found are:
(base) Bhushith-Gagan:Unis-Lab-Test-1 nbvenkatesh88$ sh test2.sh BG GM DGM
the patterns to be found are: BG GM DGM
BG pattern found
GM pattern found
DGM pattern found
(base) Bhushith-Gagan:Unis-Lab-Test-1 nbvenkatesh88$ cat emp.lst
220| BG | 12/08/20 | 30000 | GM
221| Ken | 13/09/20 | 4000 | DGM
222| Arjun | 1/09/20 | 4000 | peon
```

