

Shell Programming: Shell Scripts

Subject:- Unix Operating System

System Lab Class :- TYIT

Name

PRN

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2020BTEIT00044

Assignment No - 5b

Title-Write a program to implement a digital clock using shell script.

Objectives –

1. To learn shell programming and use it for write effective programs.

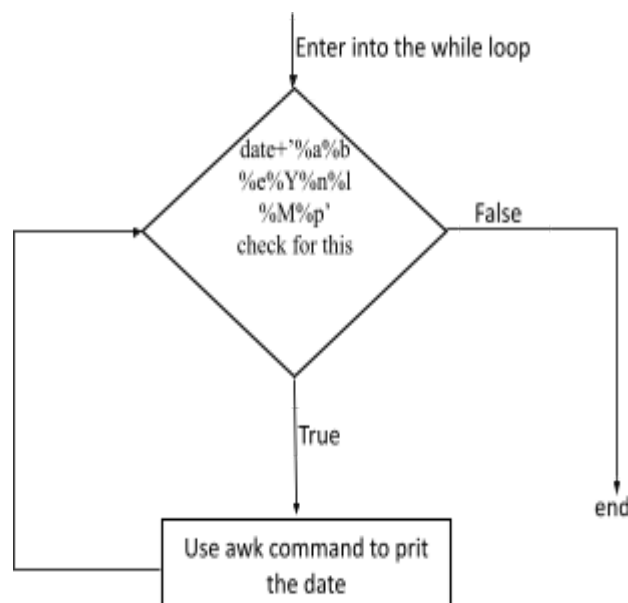
Theory-

A shell in a Linux operating system takes input from you in the form of commands, processes it, and then gives an output. It is the interface through which a user works on the programs, commands, and scripts. A shell is accessed by a terminal which runs it.

When you run the terminal, the Shell issues a command prompt (usually \$), where you can type your input, which is then executed when you hit the Enter key. The output or the result is thereafter displayed on the terminal.

The Shell wraps around the delicate interior of an Operating system protecting it from accidental damage. Hence the name Shell.

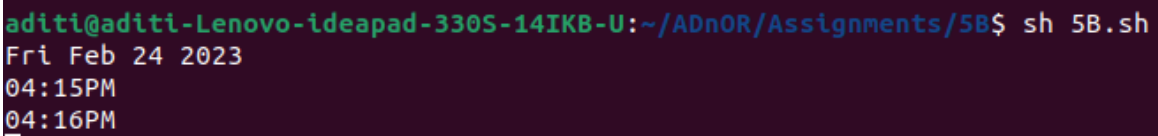
Flowchart-



Program-

```
while true
do
    date +%a %b %e %Y%n%I:%M%p'
done |awk '!seen[$0]++'
```

Output-

A terminal window screenshot with a dark background. The prompt is 'aditi@aditi-Lenovo-ideapad-330S-14IKB-U:~/ADnOR/Assignments/5B\$'. The command 'sh 5B.sh' has been executed. The output shows the date and time: 'Fri Feb 24 2023' followed by '04:15PM' and '04:16PM' on separate lines.

```
aditi@aditi-Lenovo-ideapad-330S-14IKB-U:~/ADnOR/Assignments/5B$ sh 5B.sh
Fri Feb 24 2023
04:15PM
04:16PM
```

Conclusion:

System date is retrieve using shell programming

References:

<https://www.tutorialspoint.com/unix/unix-what-is-shell.html/>