

Expt No.:2.3

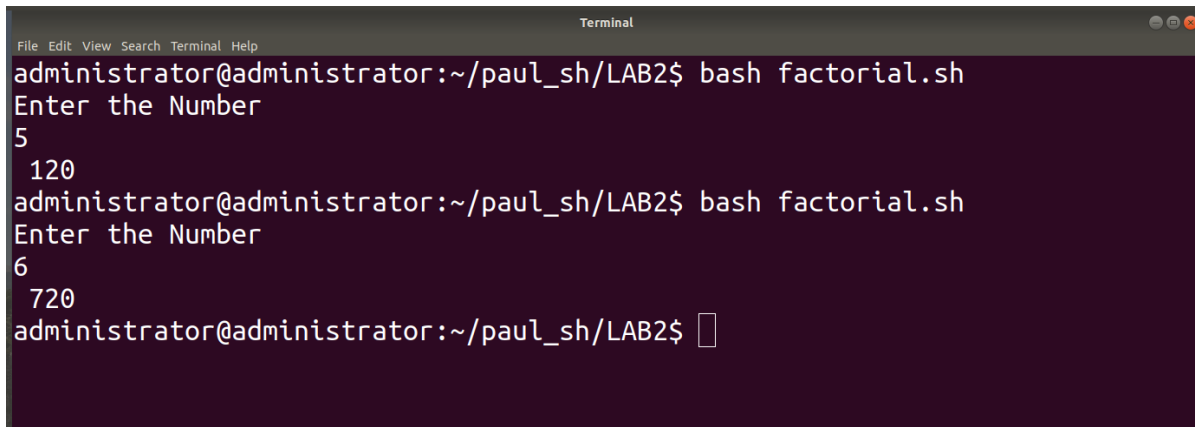
PAUL THOMAS S4 CSE B 30

Write a shell program to find the factorial of a

**Program:**

```
echo "Enter the Number "  
read a  
fact=1  
  
for ((i=1; i<=a; i++))  
do  
fact=$((fact * i))  
done  
echo " $fact "
```

**Output:**

A terminal window titled "Terminal" with a menu bar (File, Edit, View, Search, Terminal, Help) and standard window controls. The terminal shows the execution of a shell script named "factorial.sh". The prompt is "administrator@administrator:~/paul\_sh/LAB2\$". The first run shows the prompt "Enter the Number", the input "5", and the output "120". The second run shows the prompt "Enter the Number", the input "6", and the output "720". The prompt is then shown again with a cursor.

```
administrator@administrator:~/paul_sh/LAB2$ bash factorial.sh  
Enter the Number  
5  
120  
administrator@administrator:~/paul_sh/LAB2$ bash factorial.sh  
Enter the Number  
6  
720  
administrator@administrator:~/paul_sh/LAB2$
```