**working on Bash-Scripting assignment-02.**

1) Create a bash script to **check if a directory is available or not**.

Script - #!/bin/bas

# Bash script to check if a directory exists

# Ask the user to enter the directory path

read -p "Enter the directory path: " DIR

# Check if the directory exists

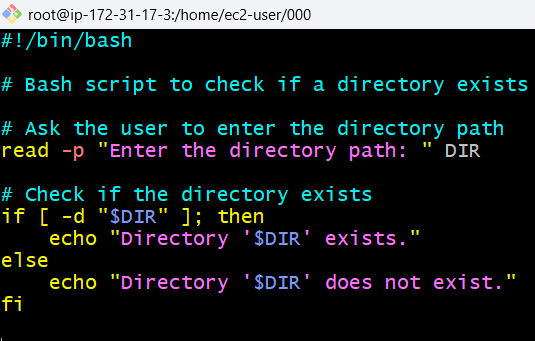
if [ -d "$DIR" ]; then

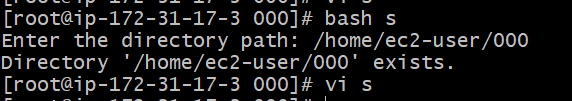
echo "Directory '$DIR' exists."

else

echo "Directory '$DIR' does not exist."

Fi



Output: 

2)Create a bash script to **create multiple files**

SCRIPT - #!/bin/bash

# Bash script to create multiple files

read -p "Enter the names of files to create (separated by spaces): " files

for file in $files; do

if [ -e "$file" ]; then

echo "File '$file' already exists."

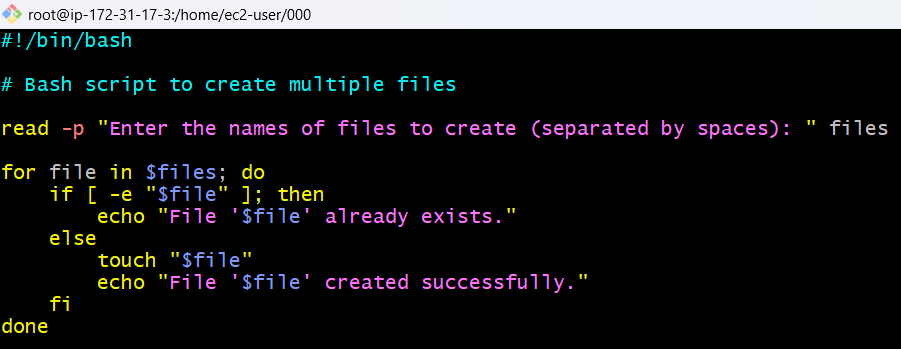
else

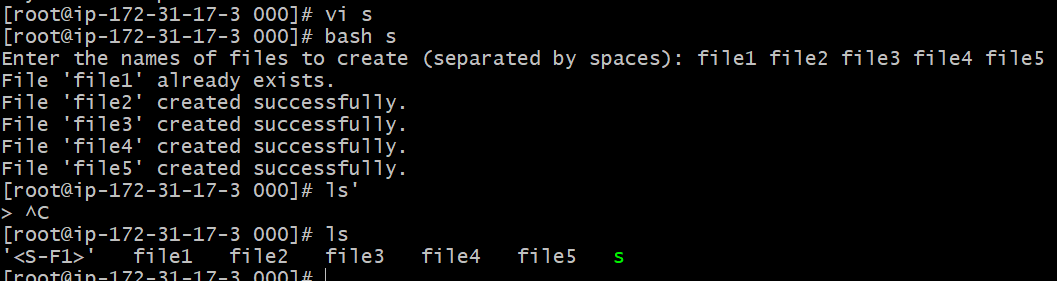
touch "$file"

echo "File '$file' created successfully."

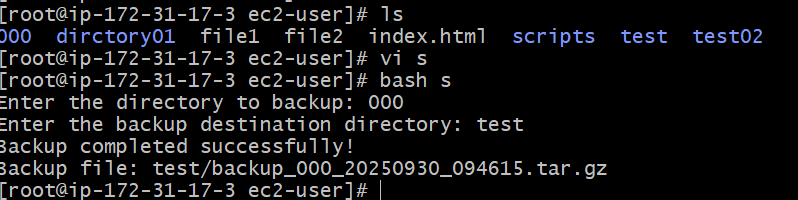
fi

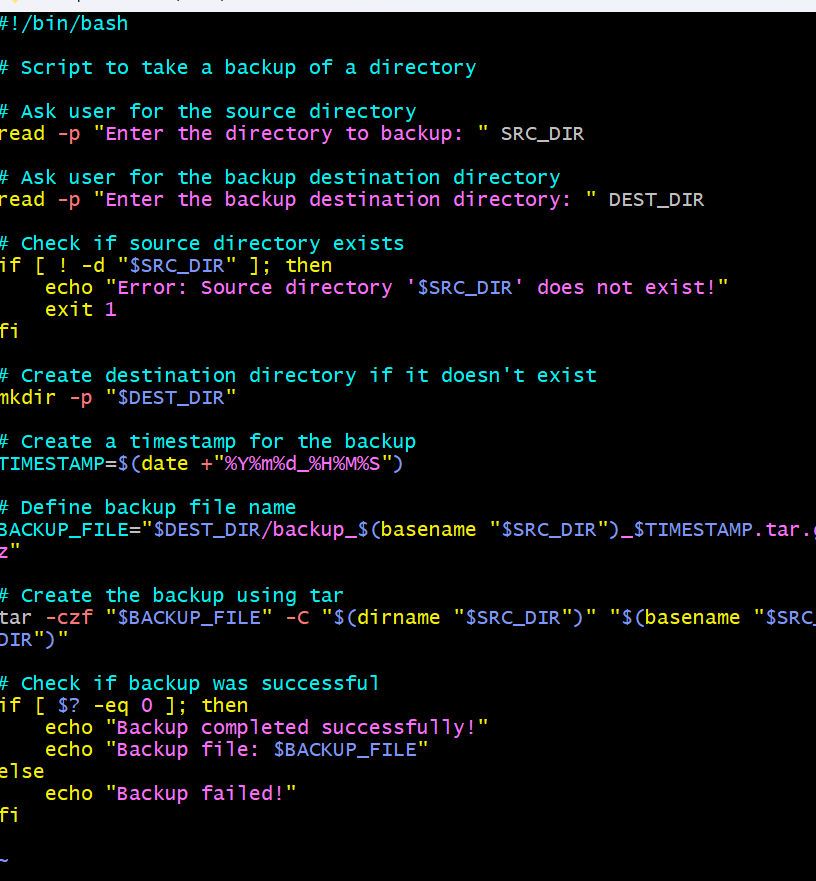
done



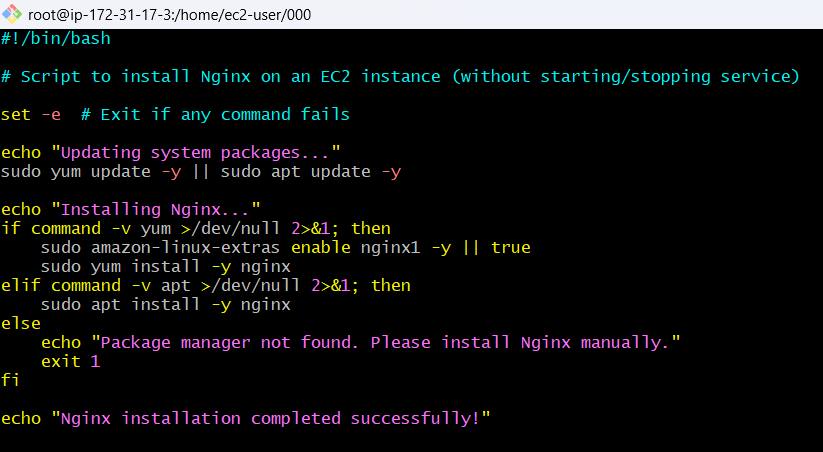
Output - 

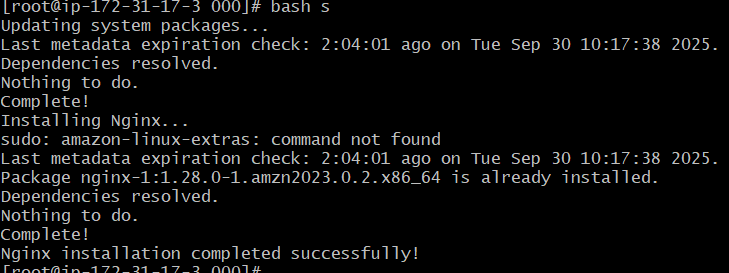
3) Create a bash script to **take a backup of a directory**



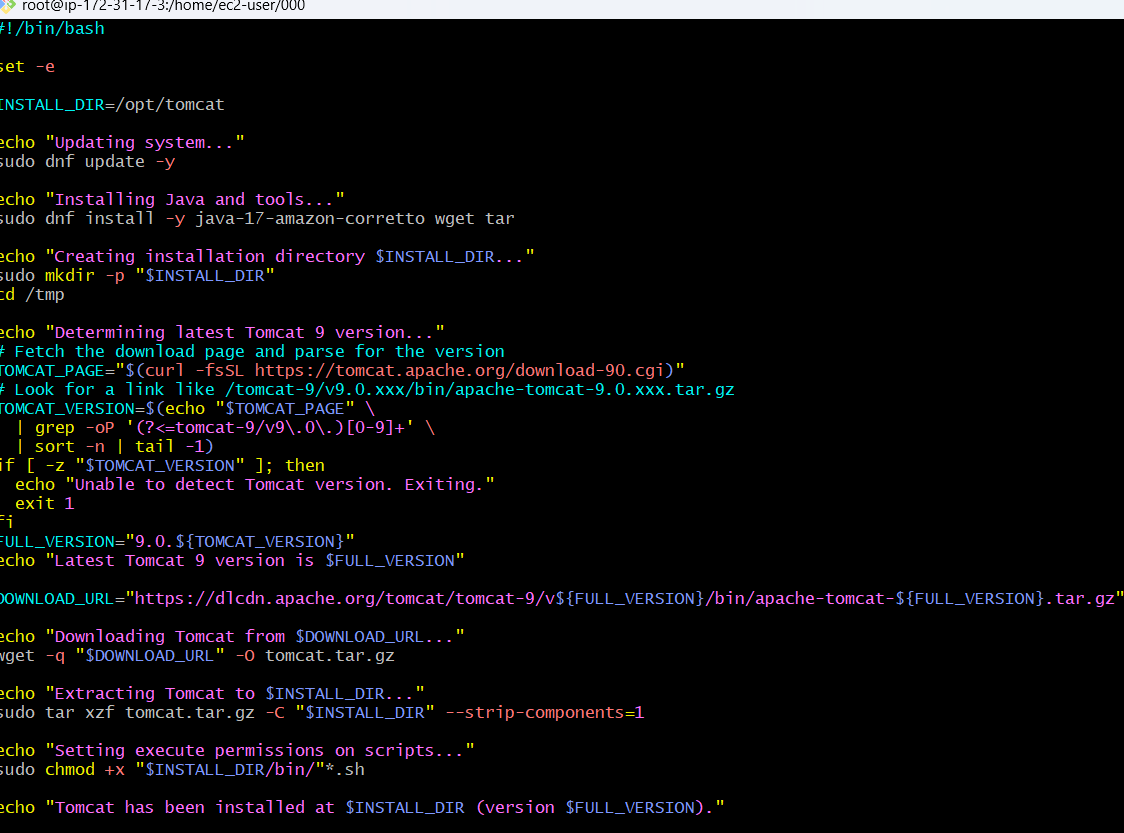


4) Create a bash script to **install Nginx on an EC2 server**.

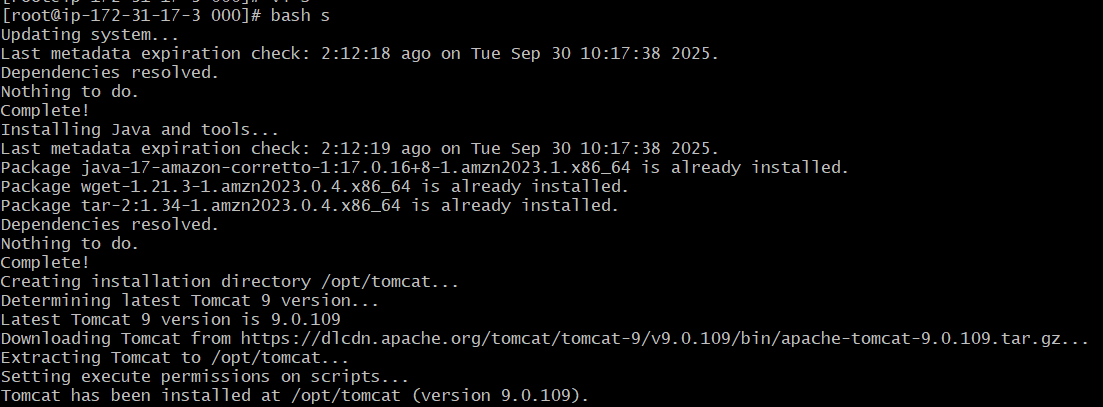


Output 

5) Create a bash script to **install Apache Tomcat on an EC2 server**.

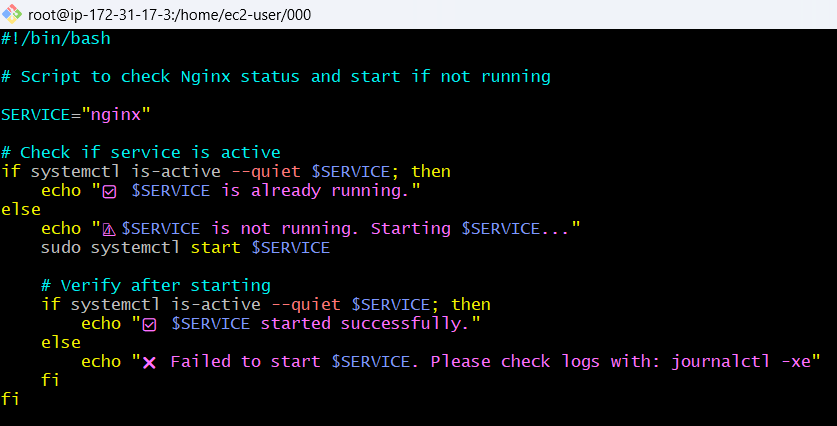


Output



6) Create a bash script to **check if the Nginx service is running**, if not running then script should start the service

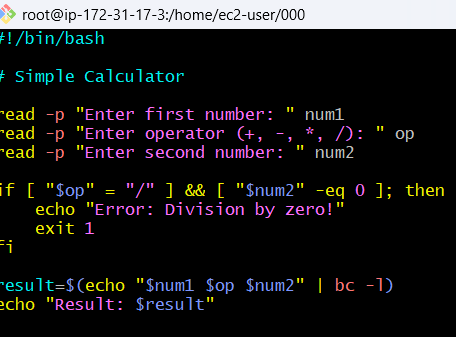
Script



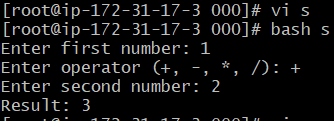
Output



7) write a script for calculator

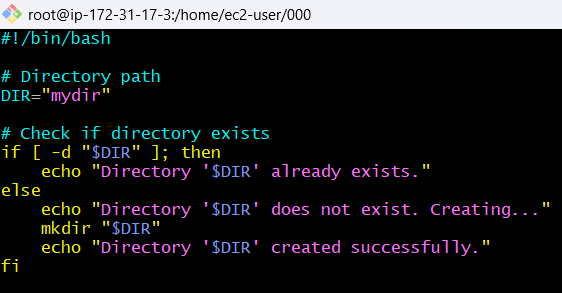


Output

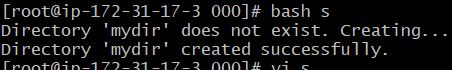


8) Create a bash script to **check if a directory exists**, if not then create a directory.

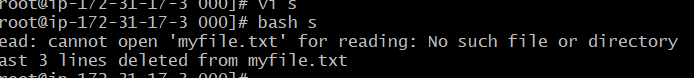
SCRIPT-



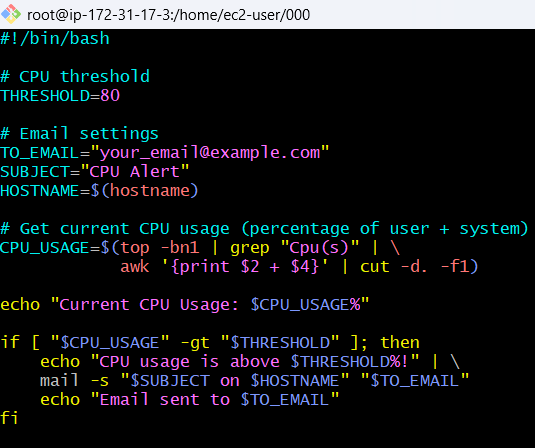
Output



9) Create a bash script to **delete the last 3 lines of a file**.

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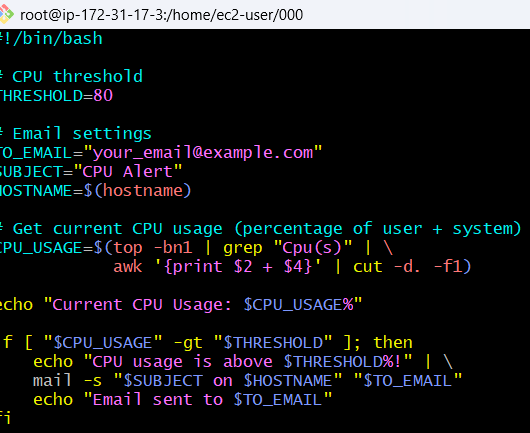
10) Bash script to monitor cpu and if it is more than 80% then send email notification.



Output



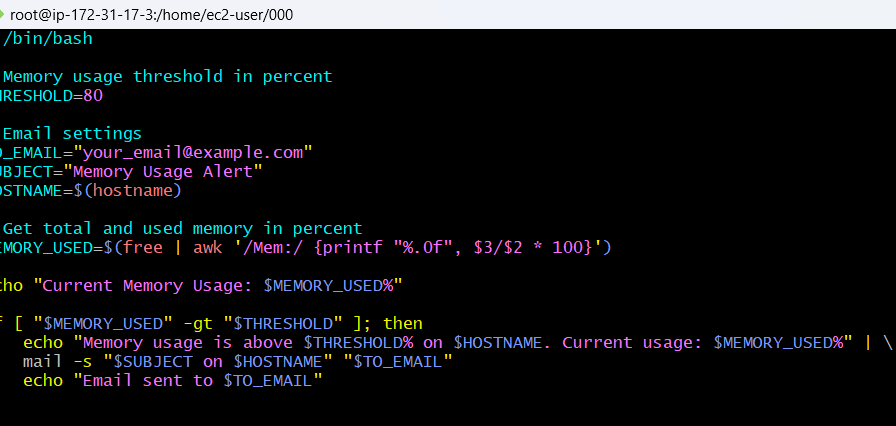
11) Bash script to monitor disk space and if it is more than 80% then send email notification.



Output



12) Bash script to monitor memory and if it is more than 80% then send email notification.



Output



**Exercise: Crontab Entries**

1. **April 5th Midnight**

0 0 4 5 \*

1. 5th of Every November, January, June **if it is a Thursday**

\* \* 5 1,6,11 4

3. At **05 and 27th minutes** of **9, 10, 11** hours every day

1. 27 9 10 11 \* \* \*

4 **34 minutes** of **9th hour** on **15th August**

34 9 15 8 \*

5 Every midnight

1. 0 \* \* \*

6 Every Weekend (**Saturday night 11:59 PM**)

59 23 \* \* 6

7 after every reboot

@reboot