### **TASK ON BASH SCRIPT 02**

1) Create on Bash script to check if a directory is available or not:

```
Asia Pacific (Mumbas) v narendar p v

#!/bin/bash
# Define the directory to check
DIR PATH" /path/to/directory"
# Check if the directory exists
if [-d "$DIR PATH" |; then
echo "Directory '$DIR PATH' exists."
else
echo "Directory '$DIR PATH' does not exist."

fi

[root@ip-172-31-2-53 -]# sudo -i
[root@ip-172-31-2-53 -]# vid irel.bash
[root@ip-172-31-2-35 -]# (mirel.bash
[root@ip-172-31-2-35 -] * (direl.bash
[root@ip-172-31-2-35 -] * (direl.bash)
```

2) Create a bash script which will create multiple files:

```
#*/Dim/Dash

**Ask for the number of files to create

**Long to create files

**Compto crea
```

#### 3) Create a bash script to take backup of a directory:

```
MINGW64:/c/Users/naren
#!/bin/bash
# Define source directory and backup destination
echo "Enter the directory to back up: "
read SOURCE_DIR
echo "Enter the backup destination directory: "
read BACKUP_DIR
# Create backup filename with timestamp
TIMESTAMP=$(date +"%Y%m%d_%H%M%S")
BACKUP_FILE="backup_$TIMESTAMP.tar.gz"
# Ensure backup directory exists
mkdir -p "$BACKUP_DIR"
# Create the backup
if tar -czf "$BACKUP_DIR/$BACKUP_FILE" "$SOURCE_DIR" 2>/dev/null; then
    echo "Backup successful: $BACKUP_DIR/$BACKUP_FILE"
     echo "Backup failed! Check the source directory and permissions."
     exit 1
MINGW64:/c/Users/naren
$ vi dir1.bash
naren@narendar MINGW64 ~ (master)
$ chmod 577 d
Desktop/ Documents/ dir1.bash
naren@narendar MINGW64 ~ (master)
$ chmod 577 dir1.bash
naren@narendar MINGW64 ~ (master)
$ ./dir1.bash
Enter the directory to back up:
abc1
Enter the backup destination directory:
mkdir: cannot create directory '': No such file or directory
Backup failed! Check the source directory and permissions.
```

# 4) Create a bash script to install nginx in ec2 server:

```
### Q Search [Alt+S]

D Q Search

S | Din/bash

Yum update -y

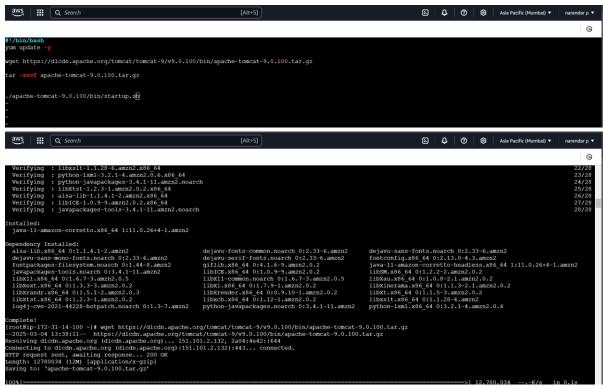
sudo amazon-linux-extras install nginx1

systemctl status nging

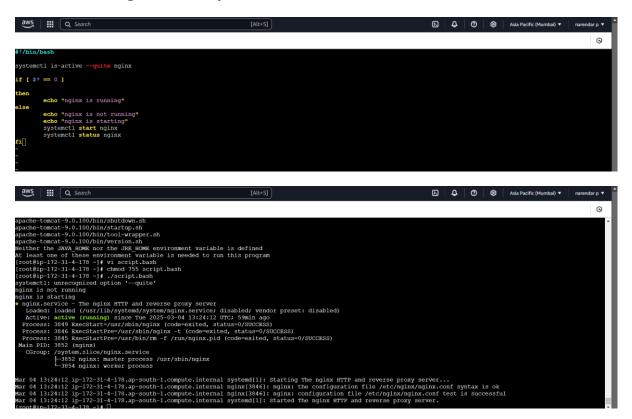
systemctl status nging
```

```
| C | C | Search | Calculation | Content | Con
```

### 5)Create a bash script to install Apache Tomcat in ec2 server:



6) Create a bash script to check list if nginx service is running or not, if not running then script should start the service:



7) Create a bash script for calculator:

```
[root@ip-172-31-4-178 ~] # vi script.bash
[root@ip-172-31-4-178 ~] # chmod 755 script.bash
[root@ip-172-31-4-178 ~] # ./script.bash
Simple Bash Calculator
Enter first number:
8
Enter second number:
5
Select operation:
1. Addition
2. Subtraction
3. Multiplication
4. Division
1
Result: 8 + 5 = 13
[root@ip-172-31-4-178 ~] # 4
-bash: 4: command not found
[root@ip-172-31-4-178 ~] # vi script.bash
[root@ip-172-31-4-178 ~] # vi script.bash
```

8) Create a bash script to check if directory is available or not, if not then create a directory:

9) Create bash script to delete last 3 lines for a file:

## **Cron job**

```
# april 5th midnight (/opt/myScripts/Bash_tasks)
0 0 5 4 * /opt/myScripts/Bash_tasks/checkDirExist.bash

$th of every november, jam, june if it is a thursday
0 0 5 1,6,11 4 /opt/myScripts/Bash_tasks/createlast#lines.bash

#at 5th and 27th minute of 9,10,11 hrs every day
5,27 9,10,11 * * * /opt/myScripts/Bash_tasks/calculator.bash

#34 min of 9th hour on 15th august
34 9 15 8 * //opt/myScripts/Bash_tasks/createBackup.bash

#EVery Midwight
0 0 * * * /opt/myScripts/Bash_tasks/myFile.bash

#every weekend
59 23 * * * /opt/myScripts/Bash_tasks/file2.bash

#on every reboot

#on every reboot

#oreboot /opt/myScripts/Bash_tasks/calculator|
```