**Creating directory and checking the path**

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**Creating log files with date:**



**Creating the script file:**

vi archive\_log.sh

**Adding below using vi editor:**

#!/bin/bash

#the = can’t have gaps between, encountered this problem and troubleshooted it

LOG\_DIR="/home/ubuntu/test1"

ARCHIVE\_DIR="/home/ubuntu/test1/archive"

#checks and creates archive folder

mkdir -p "$ARCHIVE\_DIR"

TIMESTAMP=$(date +"%Y%m%d%H%M%S")

zip -j "$LOG\_DIR/logs\_$TIMESTAMP.zip" "$LOG\_DIR"/app\_\*.log && mv "$LOG\_DIR/logs\_$TIMESTAMP.zip" "$ARCHIVE\_DIR/" && rm "$LOG\_DIR"/app\_\*.log

#ABOVE COMPRESSES LOG TO ZIP AND MOVES THE zip to archive

# and deletes the log file from

#DELETING ARCHIVES FILES OLDER THAN 7DAYS

find "$ARCHIVE\_DIR" -name "logs\_\*.zip" -type f -mtime +7 -exec rm {} \;

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:wq to save and exit

:q to exit

**Change permission to execute**

chmod +x archive\_log.sh

**Schedule Crontab job using crontab editor to run the above script:**

crontab -e

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Viewing using crontab -l

A screenshot of a computer program

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**Checking if it works:**



Now we can see that the log files have been removed from test1 and archive folder has been created

A screen shot of a computer

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Let’s create new log file and check if the crontab function is working, we have configured that it runs for every minute

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A screen shot of a computer

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Now it has moved to archive file and we can see that the log files are zipped with the timestamp