

TASK 10

Find all '.log' files >10MB in '/home/studentuser/projectX/logs'.

Compress them into 'archive_<date>.tar.gz'.

Move the archive to '/home/studentuser/projectX/backup/'.

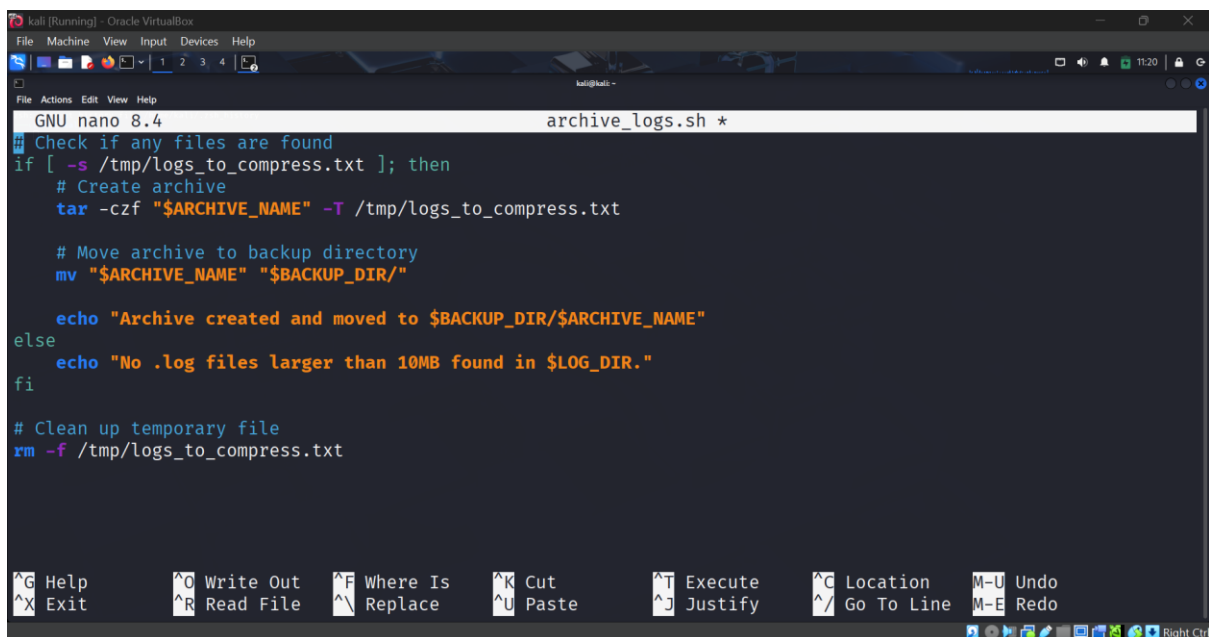
Step 1 :

Create a Script

```
(kali@kali)-[~]  
$ nano archive_logs.sh
```

Step 2 :

Paste the code



```
GNU nano 8.4 archive_logs.sh *  
# Check if any files are found  
if [ -s /tmp/logs_to_compress.txt ]; then  
  # Create archive  
  tar -czf "$ARCHIVE_NAME" -T /tmp/logs_to_compress.txt  
  
  # Move archive to backup directory  
  mv "$ARCHIVE_NAME" "$BACKUP_DIR/"  
  
  echo "Archive created and moved to $BACKUP_DIR/$ARCHIVE_NAME"  
else  
  echo "No .log files larger than 10MB found in $LOG_DIR."  
fi  
  
# Clean up temporary file  
rm -f /tmp/logs_to_compress.txt  
  
^G Help      ^O Write Out  ^F Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo  
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^_ Go To Line  M-E Redo
```

Step 3 :

Make the script executable

```
(kali@kali)-[~]  
$ chmod +x archive_logs.sh
```

Step 4 :

Verify the output

```
(kali@kali)-[~]  
$ cat ./archive_logs.sh  
#!/bin/bash  
  
# Set variables  
LOG_DIR="/home/studentuser/projectX/logs"  
BACKUP_DIR="/home/studentuser/projectX/backup"  
DATE=$(date +%Y%m%d)  
ARCHIVE_NAME="archive_${DATE}.tar.gz"  
  
# Find all .log files >10MB  
find "$LOG_DIR" -type f -name "*.log" -size +10M > /tmp/logs_to_compress.txt  
  
# Check if any files are found  
if [ -s /tmp/logs_to_compress.txt ]; then  
    # Create archive  
    tar -czf "$ARCHIVE_NAME" -T /tmp/logs_to_compress.txt  
  
    # Move archive to backup directory  
    mv "$ARCHIVE_NAME" "$BACKUP_DIR/"  
  
    echo "Archive created and moved to $BACKUP_DIR/$ARCHIVE_NAME"  
else  
    echo "No .log files larger than 10MB found in $LOG_DIR."  
fi
```