#!/bin/bash

# Set variables

BACKUP\_DIR="/home/ubuntu/backups"

PROJECT\_DIR="/home/ubuntu/assignments/endpoints"

DB\_PATH="$PROJECT\_DIR/db.sqlite3"

DATE=$(date +%F)

PROJECT\_BACKUP="$BACKUP\_DIR/api\_backup\_$DATE.tar.gz"

DB\_BACKUP="$BACKUP\_DIR/db\_backup\_$DATE.sqlite3"

LOG\_FILE="/var/log/backup.log"

# Create backup directory if it doesn't exist

mkdir -p "$BACKUP\_DIR"

{

echo "===== BACKUP STARTED: $(date) ====="

# Backup project files

if tar -czf "$PROJECT\_BACKUP" "$PROJECT\_DIR"; then

echo "Project files backed up to $PROJECT\_BACKUP"

else

echo "ERROR: Failed to create API backup"

fi

# Backup SQLite DB

if cp "$DB\_PATH" "$DB\_BACKUP"; then

echo "Database backed up to $DB\_BACKUP"

else

echo "ERROR: Failed to backup SQLite database"

fi

# Remove backups older than 7 days

find "$BACKUP\_DIR" -type f -mtime +7 -exec rm {} \; && echo "Old backups removed."

# Check /students/ endpoint

STUDENTS\_STATUS=$(curl -s -o /dev/null -w "%{http\_code}" http://13.48.29.124/students/)

if [ "$STUDENTS\_STATUS" -ne 200 ]; then

echo "WARNING: Endpoint http://13.48.29.124/students/ is down (HTTP $STUDENTS\_STATUS)"

else

echo "SUCCESS: Endpoint http://13.48.29.124/students/ is reachable (HTTP 200)"

fi

# Check /subjects/ endpoint

SUBJECTS\_STATUS=$(curl -s -o /dev/null -w "%{http\_code}" http://13.48.29.124/subjects/)

if [ "$SUBJECTS\_STATUS" -ne 200 ]; then

echo "WARNING: Endpoint http://13.48.29.124/subjects/ is down (HTTP $SUBJECTS\_STATUS)"

else

echo "SUCCESS: Endpoint http://13.48.29.124/subjects/ is reachable (HTTP 200)"

fi

echo "===== BACKUP COMPLETED: $(date) ====="

echo ""

} >> "$LOG\_FILE" 2>&1

Output:

