

## **\*\*Task: Automated Backup and Rotation Script\*\***

### **\*\*Scenario:\*\***

You are tasked with creating a backup management script for a project hosted on GitHub. The project contains code files that need to be regularly backed up. Assume that the project folder and rotation strategy will be passed as script arguments or set as variables.

### **\*\*Objective:\*\***

Develop a script that automates the backup process for the project's code files, implements a rotational backup strategy, and integrates with Google Drive to push the backups to a specified folder. Additionally, implement deletion of older backups and send a cURL request on successful backup.

```
root@ip-172-31-6-168:/var/www/html/Delight/Uat# cat backup.sh
#!/bin/bash

# Function to perform backup
perform_backup() {
    project_folder=$1
    backup_folder=$2
    timestamp=$(date +"%Y%m%d%H%M%S")
    backup_path="${backup_folder}/backup_${timestamp}"

    # Ensure the backup folder exists
    mkdir -p "${backup_folder}"

    # Copy project files to the backup folder
    cp -r "${project_folder}" "${backup_path}"

    echo "Backup created successfully at: ${backup_path}"
}

# Function to rotate backups
rotate_backups() {
    backup_folder=$1
    max_backups=$2

    # List all backups in the folder sorted by modification time
    backups=$(ls -t "${backup_folder}")
```

=

}

# Call the main function

main

```

# Call the main function
main
root@ip-172-31-6-168:/var/www/html/Delight/Uat# ./backup.sh
Backup created successfully at: /var/www/html/backup/backup_20231215082443
On branch master
nothing to commit, working tree clean
fatal: The current branch master has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin master

Changes committed and pushed to the remote repository.
root@ip-172-31-6-168:/var/www/html/Delight/Uat#
```

Automatic create the backup file

```
Delight Garbajockey IB-HRMS Redjinni Redprix Textile-backend  
root@ip-172-31-6-168:/var/www/html# cd backup/  
root@ip-172-31-6-168:/var/www/html/backup# ls  
backup_20231215065346 backup_20231215082443  
root@ip-172-31-6-168:/var/www/html/backup#
```