```
#!/bin/bash

# This checks if the number of arguments is correct
# If the number of arguments is incorrect ( $# != 2) print error
message and exit
if [[ $# != 2 ]]
then
  echo "backup.sh target_directory_name destination_directory_name"
  exit
fi

# This checks if argument 1 and argument 2 are valid directory paths
if [[ ! -d $1 ]] || [[ ! -d $2 ]]
then
  echo "Invalid directory path provided"
  exit
fi

# [TASK 1]
targetDirectory=`$1`
destinationDirectory=$2

# [TASK 2]
echo "The value of Target Directory is $targetDirectory"
echo "The value of Destination Directory is $destinationDirectory"

# [TASK 3]
currentTS=`$(date +%s)`

# [TASK 4]
backupCompressed="backup-[$currentTS].tar.gz"

# We're going to:
  # 1: Go into the target directory
  # 2: Create the backup file
  # 3: Move the backup file to the destination directory

# To make things easier, we will define some useful variables...

# [TASK 5]
origAbsPath=`/home/project`

# [TASK 6]
```

```
cd # <- cd /tmp/destinationDIR
destDirAbsPath=`/tmp/destinationDIR`

# [TASK 7]
cd # <- cd ~
cd # <- cd /tmp/targetDIR

# [TASK 8]
tomorrowTS=$(($currentTS - 24 * 60 * 60))

declare -a toBackup

for file in $declare # [TASK 9]
do
  # [TASK 10]
  if ((`date -r $file +%s` > $yesterdayTS))
  then
    # [TASK 11]
    toBackup+=($file)
  fi
done

# [TASK 12]
tar -czvf /tmp/targetDIR/$backupCompressed ${toBackup[@]}

# [TASK 13]
mv /tmp/targetDIR/$backupCompressed
/tmp/destinationDIR/$backupCompressed

# Congratulations! You completed the final project for this course!
```