**Functions**

A picture containing sitting

Description automatically generated

Backup.sh

#!/bin/bash

# This bash script is used to backup a user's home directory to /tmp/.

user=$(whoami)

input=/home/$user

output=/tmp/${user}\_home\_$(date +%Y-%m-%d\_%H%M%S).tar.gz

# The function total\_files reports a total number of files for a given directory.

function total\_files {

find $1 -type f | wc -l

}

# The function total\_directories reports a total number of directories

# for a given directory.

function total\_directories {

find $1 -type d | wc -l

}

tar -czf $output $input 2> /dev/null

echo -n "Files to be included:"

total\_files $input

echo -n "Directories to be included:"

total\_directories $input

echo "Backup of $input completed!"

echo "Details about the output backup file:"

ls -l $output