

mybackup.sh

```
#!/bin/bash
#
# This script uses functions from $HOME/Scripts/myfunctions
#
. $HOME/Scripts/myfunctions

echo "Welcome to version 2.0 of my backup script"
echo "This program backs up to the Cloud"

echo ".....doing cloud stuff"

echo -n "would you like to back up your local directories "
    read ans
        if [ $ans = 'yes' ]
            then
                menu
            else
                echo "Thanks for using my script"
            fi
```

myfunctions.sh

```
#!/bin/bash
```

```
BACKUP_DIR="$HOME/.secret/.backup"
```

```
chmod 700 $BACKUP_DIR
```

```
echo "Please enter your name: "
```

```
read name
```

```
menu() {
```

```
cat << END
```

```
    MENU
```

```
-----
```

1. Backup
2. Compress
3. Compress and backup
4. Quit menu

```
-----
```

```
END
```

```
read_input
```

```
}
```

```
backup_func(){
```

```
    echo "Please enter the directory you wish to backup: "
```

```
    read user_backup
```

```
    if [ -d user_backup ]
```

```
    then
```

```
        cp -r user_backup BACKUP_DIR
```

```
    else
```

```
        echo "Invalid directory"
```

```
        echo "Please try again"
```

```
    fi
```

```
}
```

```

compress_func(){
    echo "Please enter the directory you wish to compress: "
    read user_backup
    if [ -d user_backup ]
    then
        cd user_backup
        directory_name=${PWD##*/}
        tar -zcvf directory_name.tar.gz user_backup
    else
        echo "Invalid directory"
        echo "Please try again"
    fi
}

```

```

compress_and_backup_func(){
    echo "Please enter the directory you wish to compress and backup: "
    read user_backup
    if [ -d user_backup ]
    then
        cd user_backup
        directory_name=${PWD##*/}
        cd BACKUP_DIR
        tar -zcvf directory_name.tar.gz user_backup
    else
        echo "Invalid directory"
        echo "Please try again"
    fi
}

```

```

function read_input
{

```

```
while true
do
    echo -n "Please select a number to continue: "
    read choice
    case $choice in
        1|1. |backup|Backup)
            backup_func
            ;;
        2|2. |Compress|compress)
            compress_func
            ;;
        3|3. |'Compress and backup')
            compress_and_backup_func
            ;;
        4|4. |Quit|quit|'Quit menu')
            echo "Exiting program."
            exit 5
            ;;
        *)
            echo "Sorry not a valid option."
            echo "Please try again."
            ;;
    esac
done
}
```

Backup Script Assignment

```
#!/bin/bash
```

```
./mybackup.sh
```