

# 1 week

```
//////////  
#!/bin/bash  
  
even=(2 4 6 8 10)  
odd=(1 3 5 7 9)  
  
echo ${even[2]}  
echo ${odd[2]}  
  
[ ${even[2]} -gt ${odd[2]} ]; echo $?  
[[ ${${even[4]} + ${odd[3]}} -gt 10 ]] && echo "This is larger than 10"  
//////////  
  
//////////  
#!/bin/bash  
  
echo "Reading Loud and Clear"  
  
##VARIABLES  
declare -a tops=('Tshirt' 'V-Neck' 'Sweater' 'cardigan' 'blouse')  
declare -a bottoms=('Blue Jeans' 'Black Jeans' 'Black Slacks' 'Skirt' 'Khakis')  
declare -a shoes=('Sneakers' 'Flats' 'Heels' 'Oxfords' 'Whatever Feels Good')  
declare -a accessories=('Watch' 'Bracelet' 'Necklace' 'Earrings' 'Hat')  
declare -a days=("Monday" "Tuesday" "Wednesday" "Thursday" "Friday")  
  
##FUNCTION DEFINITION  
selectWardrobe(){  
    echo "Now selecting weekly wardrobe"  
    for day in ${days[@]}  
  
    do  
        randomTop=$(( 0 + $RANDOM % 5 ))  
        randomBottom=$(( 0 + $RANDOM % 5 ))  
        randomShoes=$(( 0 + $RANDOM % 5 ))  
        randomAcc1=$(( 0 + $RANDOM % 5 ))  
        randomAcc2=$(( 0 + $RANDOM % 5 ))  
  
        echo "On $day you should wear: ${tops[randomTop]}, ${bottoms[randomBottom]}, and  
        ${shoes[randomShoes]}"  
        echo "Pair with: ${accessories[randomAcc1]} and ${accessories[randomAcc2]}"  
        echo  
    done  
}  
  
outfitSelection(){  
    echo "Generating outfit selection for $1 weeks"  
  
    workWeek=1  
    while (( workWeek < $($1+1) ))  
    do  
        echo "Week $workWeek Wardrobe:"  
        selectWardrobe  
        (( workWeek++ ))  
    done  
    echo Enjoy $1 weeks of outfit selections!
```

```
}
```

```
##CALLING FUNCTIONS
```

```
outfitSelection 4 > monthlyOutfit.txt
```

```
while read textline
```

```
do
```

```
    echo $textline
```

```
done < /home/codio/workspace/monthlyOutfit.txt
```

```
//////////
```

## 2 week

```
//////////
```

```
#!/binbash
```

```
while read line
```

```
do
```

```
    if [[ $line =~ .*[Dd]iscover.* ]];
```

```
    then
```

```
        if [[ $line =~ [0-9]{16} ]];
```

```
        then
```

```
            echo ${BASH_REMATCH[0]}
```

```
        fi
```

```
    fi
```

```
done < credit.csv
```

```
//////////
```

```
//////////
```

```
#!/binbash
```

```
grep -E '^[A-Za-z0-9_.]{1,16}@[^[:lower:]]+\.(com|org|net)' signups.txt
```

```
//////////
```

## 3 week

```
Terminal x
codio@sambagreen-everestpierre:~/workspace$ mkdir repoProject
codio@sambagreen-everestpierre:~/workspace$ cd repoProject
codio@sambagreen-everestpierre:~/workspace/repoProject$ git init
Initialized empty Git repository in /home/codio/workspace/repoProject/.git/
codio@sambagreen-everestpierre:~/workspace/repoProject$
```

### Exercise 1: Initializing a Repository

Create a directory called `repoProject` and initialize it as a Git repository.

Click the button below to submit

The correct answer to this exercise can be seen below.

- Create the repository `repoProject`  
└ `mkdir repoProject`
- Navigate to the new directory.  
└ `cd repoProject`
- Initialize the repository  
└ `git init`

```
Terminal x
codio@sambagreen-everestpierre:~/workspace/repoProject$ touch find_config.sh
codio@sambagreen-everestpierre:~/workspace/repoProject$ nano find_config.sh
codio@sambagreen-everestpierre:~/workspace/repoProject$ nano find_config.sh
codio@sambagreen-everestpierre:~/workspace/repoProject$ git add find_config.sh
codio@sambagreen-everestpierre:~/workspace/repoProject$ git commit -m "Займайся спортом, люби друзе, не пий горілку, не кури, тобі потрібно бути дужим, бо пруть зі сходу москалі"
[master (root-commit) 8f72029] Займайся спортом, люби друзе, не пий горілку, не кури, тобі п отрібно бути дужим, бо пруть зі сходу москалі
 1 file changed, 1 insertion(+)
 create mode 100644 find_config.sh
codio@sambagreen-everestpierre:~/workspace/repoProject$
```

### Exercise 2: Committing a Repository

Inside the `repoProject` repository:

- Create a file called `find_config.sh`
- Copy and paste the following line into the file to list all of the files ending in `.conf` inside the `/etc` directory.

```
ls -l /etc/*.conf
```

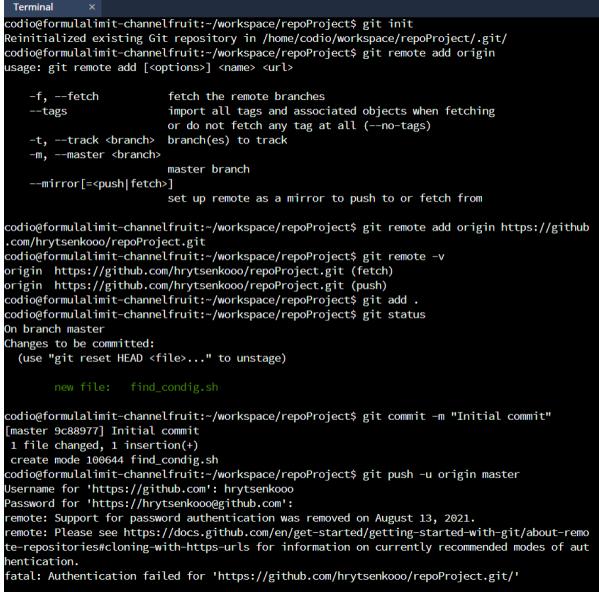
- Save and close `find_config.sh`
- Commit these changes to the `repoProject` directory.

When you've completed this exercise, click the button below to submit.

Check It! (1 left)

LAST RUN on 25.05.2023, 17:26:07  
Check 1 passed  
Check 2 passed  
Check 3 passed

//////////

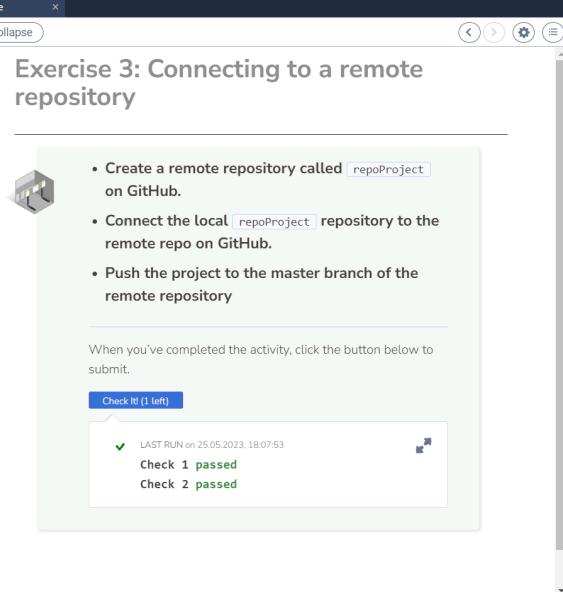


```
Terminal ×
codio@formulaLimit-channelFruit:~/workspace/repoProject$ git init
Reinitialized existing Git repository in /home/codio/workspace/repoProject/.git/
codio@formulaLimit-channelFruit:~/workspace/repoProjects$ git remote add origin
usage: git remote add [<options>] <name> <url>
      -f, --fetch          fetch the remote branches
      --tags              import all tags and associated objects when fetching
                          or do not fetch any tag at all (--no-tags)
      -t, --track <branch> branch(es) to track
      -m, --master <branch>
                          master branch
      --mirror[=<push|fetch>]
                          set up remote as a mirror to push to or fetch from

codio@formulaLimit-channelFruit:~/workspace/repoProject$ git remote add origin https://github.com/hrytsenkooo/repoProject.git
codio@formulaLimit-channelFruit:~/workspace/repoProject$ git remote -v
origin https://github.com/hrytsenkooo/repoProject.git (fetch)
origin https://github.com/hrytsenkooo/repoProject.git (push)
codio@formulaLimit-channelFruit:~/workspace/repoProjects$ git add .
codio@formulaLimit-channelFruit:~/workspace/repoProject$ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

    new file:  find_config.sh

codio@formulaLimit-channelFruit:~/workspace/repoProject$ git commit -m "Initial commit"
[master 9c88977] Initial commit
 1 file changed, 1 insertion(+)
 create mode 100644 find_config.sh
codio@formulaLimit-channelFruit:~/workspace/repoProject$ git push -u origin master
Username for 'https://github.com': hrytsenkooo
Password for 'https://hrytsenkooo@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/hrytsenkooo/repoProject.git'.
```



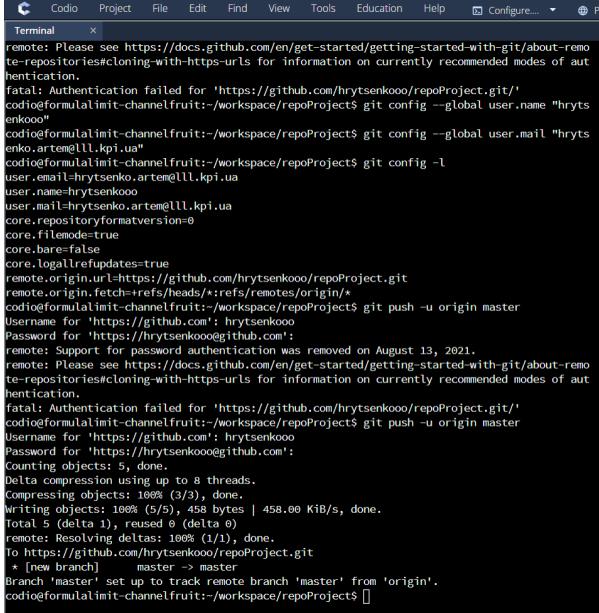
## Exercise 3: Connecting to a remote repository

- Create a remote repository called `repoProject` on GitHub.
- Connect the local `repoProject` repository to the remote repo on GitHub.
- Push the project to the master branch of the remote repository

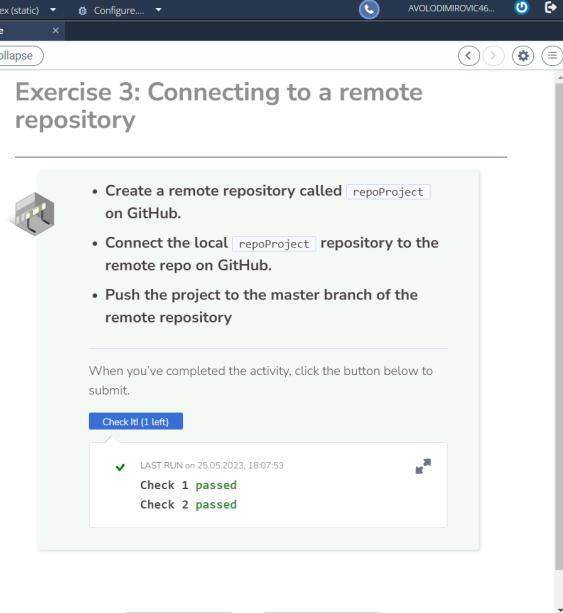
When you've completed the activity, click the button below to submit.

**Check it! (1 left)**

✓ LAST RUN on 25.05.2023, 18:07:53  
Check 1 passed  
Check 2 passed



```
Terminal ×
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/hrytsenkooo/repoProject.git'
codio@formulaLimit-channelFruit:~/workspace/repoProject$ git config --global user.name "hrytsenkooo"
codio@formulaLimit-channelFruit:~/workspace/repoProject$ git config --global user.mail "hrytsenko.artem@ll.kpi.ua"
codio@formulaLimit-channelFruit:~/workspace/repoProject$ git config -l
user.name=hrytsenkooo
user.mail=hrytsenko.artem@ll.kpi.ua
core.repositoryformatversion=0
core.filemode=true
core.bare=false
core.looseRefUpdates=true
remote.origin.url=https://github.com/hrytsenkooo/repoProject.git
remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
codio@formulaLimit-channelFruit:~/workspace/repoProject$ git push -u origin master
Username for 'https://github.com': hrytsenkooo
Password for 'https://hrytsenkooo@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/hrytsenkooo/repoProject.git'
codio@formulaLimit-channelFruit:~/workspace/repoProjects$ git push -u origin master
Username for 'https://github.com': hrytsenkooo
Password for 'https://hrytsenkooo@github.com':
Counting objects: 5, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (5/5), 498 bytes | 458.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/hrytsenkooo/repoProject.git
 * [new branch] master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
codio@formulaLimit-channelFruit:~/workspace/repoProject$ []
```



## Exercise 3: Connecting to a remote repository

- Create a remote repository called `repoProject` on GitHub.
- Connect the local `repoProject` repository to the remote repo on GitHub.
- Push the project to the master branch of the remote repository

When you've completed the activity, click the button below to submit.

**Check it! (1 left)**

✓ LAST RUN on 25.05.2023, 18:07:53  
Check 1 passed  
Check 2 passed

<https://stackoverflow.com/questions/68775869/message-support-for-password-authentication-was-removed-please-use-a-personal>

//////////

## 4 week

```
//////////  
logger -p auth.alert Security and Authentication Alert  
//////////
```

```
//////////  
locale  
sudo timedatectl set-timezone "Europe/Paris"  
sudo date --set="Jul 13 09:47:34 1995"  
sudo timedatectl set-timezone UTC  
//////////
```

```
//////////  
sudo apt install rolldice  
sudo apt remove rolldice  
sudo apt purge rolldice  
//////////
```