

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

```
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$
```

Guide

Collapse


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

```
codio@sambagreen-everestpierre:~/workspace/repoProject$ touch 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
й друже, не пий горілку, не кури, тобі потрібно бути дужим, бо пруть зі сходу москалі"
[master (root-commit) 8f72829] Займайся спортом, любий друже, 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$
```


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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/repoProject$ 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/repoProject$ 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_condig.sh

codio@formulalimit-channelfruit:~/workspace/repoProject$ git commit -m "Initial commit"
[master 9c88977] Initial commit
 1 file changed, 1 insertion(+)
 create mode 100644 find_condig.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/'
```

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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 #1 (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 "hrytsenkooo.artem@lll.kpi.ua"
codio@formulalimit-channelfruit:~/workspace/repoProject$ git config -l
user.name=hrytsenkooo
user.mail=hrytsenkooo.artem@lll.kpi.ua
core.repositoryformatversion=0
core.filemode=true
core.bare=false
core.logallrefupdates=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/repoProject$ 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), 458 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$
```

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Exercise 3: Connecting to a remote repository

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