

Question 1: Using VI editor only!!!!

```
sypercat00@kali: ~/binaryser
(sypercat00@kali)-[~/binaryser]
$ git init
Initialized empty Git repository in /home/sypercat00/binaryser/.git/

(sypercat00@kali)-[~/binaryser]
$ ls
binary_search

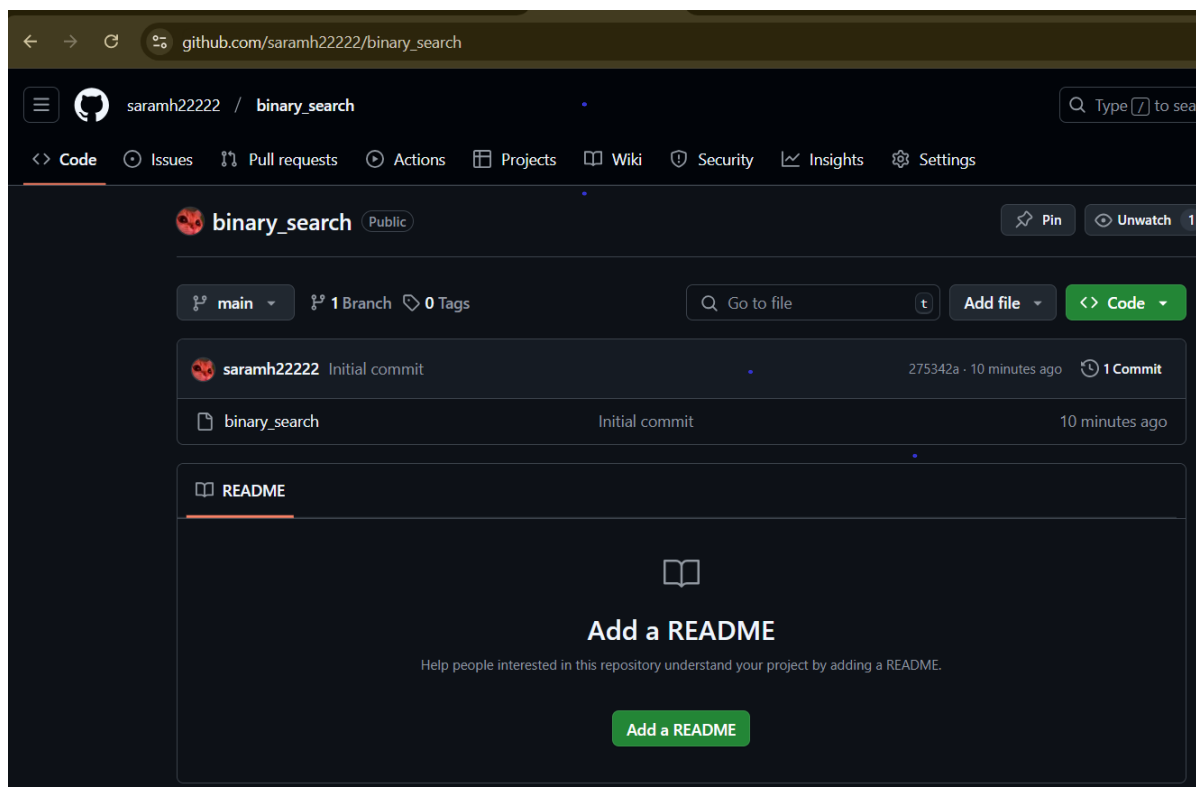
(sypercat00@kali)-[~/binaryser]
$ git add .
git commit -m "Initial commit"

main (root-commit) 275342a] Initial commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100755 binary_search

(sypercat00@kali)-[~/binaryser]
$ git remote add origin https://github.com/saramh22222/binary_search.git

(sypercat00@kali)-[~/binaryser]
$ git push -u origin main
Username for 'https://github.com': saramh22222
Password for 'https://saramh22222@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 2.60 KiB | 444.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/saramh22222/binary_search.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

(sypercat00@kali)-[~/binaryser]
$
```



Na2na2a:

1. List the available shells in your system.

```
/bin/rbash
/usr/bin/rbash
/bin/dash
/usr/bin/dash
/usr/bin/pwsh
/opt/microsoft/powershell/7/pwsh
/usr/bin/screen
/usr/bin/tmux
/bin/zsh
/usr/bin/zsh
/usr/bin/zsh

(sypercat00@kali)-[~]
$ cat /etc/shells > shells.txt

(sypercat00@kali)-[~]
$ cat shells.txt
# /etc/shells: valid login shells
/bin/sh
/usr/bin/sh
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
/bin/dash
/usr/bin/dash
/usr/bin/pwsh
/opt/microsoft/powershell/7/pwsh
/usr/bin/screen
/usr/bin/tmux
/bin/zsh
/usr/bin/zsh
/usr/bin/zsh

(sypercat00@kali)-[~]
$
```

2. List the environment variables in your current shell.

```
(sypercat00@kali)-[~]
$ printenv
SYSTEMD_EXEC_PID=2090
SSH_AUTH_SOCK=/run/user/1000/keyring/ssh
SESSION_MANAGER=local/kali:0/tmp/.ICE-unix/2055,unix/kali:/tmp/.ICE-unix/2055
GNOME_TERMINAL_SCREEN=/org/gnome/Terminal/screen/cbb7d85a_0619_4c33_9181_296
SSH_AGENT_PID=1978
XDG_CURRENT_DESKTOP=GNOME
NMAP_PRIVILEGED=
POWERSHELL_UPDATECHECK=Off
LANG=C.UTF-8
DISPLAY=:1
PWD=/home/sypercat00
QT_IM_MODULE=ibus
GPG_AGENT_INFO=/run/user/1000/gnupg/S.gpg-agent:0:1
USER=sypercat00
DESKTOP_SESSION=gnome
```

3. Display your current shell name.

```
(sypercat00@kali)-[~]
$ echo $SHELL

/usr/bin/zsh

(sypercat00@kali)-[~]
$
```

4. Execute the following command :

`echo \` then press enter

What is the purpose of `\` ?

```
(sypercat00@kali)-[~]  
$ echo \  
>
```

يبلغ وظيفة ال cmd ال قبله

5. Create a Bash shell alias named `PrintPath` for the “`echo $PATH`” command

```
(sypercat00@kali)-[~]  
$ alias PrintPath="echo $PATH"  
  
(sypercat00@kali)-[~]  
$ PrintPath=  
  
(sypercat00@kali)-[~]  
$ PrintPath  
/usr/local/sbin:/usr/sbin:/sbin:/usr/local/bin:/usr/bin:/bin:/usr/local/games:/usr/games:/home/sypercat00/.dotnet/tools
```