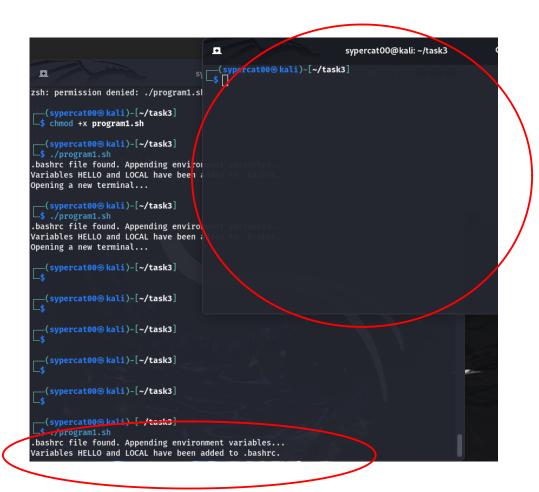
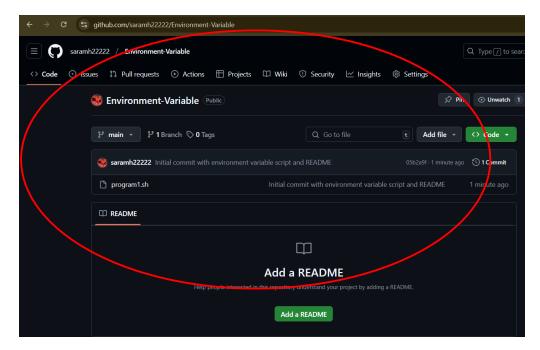
Section 1:





```
Q : 00 🗴
  π
                                       sypercat00@kali: ~/task3
   -(sypercat00⊛kali)-[~/task3]
 -\$ git add oldsymbol{\cdot}
 —(sypercat00⊛kali)-[~/task3]
 $ git commit -m "Initial commit with environment variable script and README"
[main (root-commit) 05b2a9f] Initial commit with environment variable script and README
 1 file changed, 23 insertions(+)
 create mode 100755 program1.sh
  —(sypercat00⊛kali)-[~/task3]
 _$ git branch -M main
__(sypercat00⊕ kali)-[~/task3]

$ git puch -u origin main
git: 'puch' is not a git command. See 'git --help'.
The most similar command is
         push
   (sypercat00@ kali)-[~/task3]
🖵 💲 git push -u origin main
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), 613 bytes | 153.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/saramh22222/Environment-Variable.git
* [new branch] main -> main
branch 'main' set up to track 'origin/main'.
   (sypercat00⊛kali)-[~/task3]
```

Section 2 Section 2 Section 2

1. List the user commands and redirect the output to /tmp/commands.list

```
•
                                             sypercat00@kali: ~/task3
                                                                                            a
                                                                                                   ŧ
                                                                                                         netmask
(sypercat00@ kali)-[~/task3]
| s /bin /usr/bin > /tmp/commands.list
___(sypercat00⊛ kali)-[~/task3]

$ cat /tmp/commands.list
/bin:
1password2john
2to3-2.7
411toppm
7z
7z2john
7za
7zr
DPAPImk2john
FileCheck-16
FileCheck-17
GET
GenPat
HEAD
JxrDecApp
JxrEncApp
POST
Thunar
UnicodeNameMappingGenerator-16
UnicodeNameMappingGenerator-17
VGAuthService
X
X11
Xephyr
Xorg
Xtightvnc
Xvfb
```

3. What is the command to count the word in a file or number of file in directory.

a. Count the number of user commands

```
Places
         Apps
Ŧ
—(sypercat00⊛kali)-[~/task3]
 _(sypercat00@kali)-[~/task3]
rogram1.sh
—(sypercat00⊛kali)-[~/task3]
_$ ^[[200~wc -w filename
sh: bad pattern: ^[[200~wc
 -(sypercat00⊛ kali)-[~/task3]
_$ wc -w program1.sh
.03 program1.sh
 _(sypercat00⊛ kali)-[~/task3]
—(sypercat00⊛kali)-[~/task3]
−$ wc −l /tmp/commands.list
497 /tmp/commands.list
 -(sypercat00⊛ kali)-[~/task3]
```

- 4. What happens if you execute:
- a. cat filename1 | cat filename2
- **b.** ls | rm
- c. ls /etc/passwd | wc -l



5. Write a command to search for all files on the system that, its name is ".profile".

```
-(sypercat00⊛kali)-[~]
  _$ find / -name ".profile
/home/sypercat00/.profile
find: '/.cache': Permission denied
find: '/lost+found': Permission denied
find: '/run/initramfs': Permission denied
find: '/run/systemd/inaccessible/dir': Permission denied
find: '/run/systemd/propagate/systemd-udevd.service': Permission denied
find: '/run/systemd/propagate/haveged.service': Permission denied
find: '/run/systemd/propagate/systemd-timesyncd.service': Permission denied
find: '/run/systemd/propagate/accounts-daemon.service': Permission denied
find: '/run/systemd/propagate/systemd-logind.service': Permission denied
find: '/run/systemd/propagate/polkit.service': Permission denied
find: '/run/systemd/propagate/NetworkManager.service': Permission denied
find: '/run/systemd/propagate/ModemManager.service': Permission denied
find: '/run/systemd/propagate/rtkit-daemon.service': Permission denied
find: '/run/systemd/propagate/colord.service': Permission denied
find: '/run/systemd/propagate/upower.service': Permission denied
find: '/run/systemd/propagate/power-profiles-daemon.service': Permission denied
find: '/run/systemd/propagate/systemd-networkd.service': Permission denied
find: '/run/systemd/propagate/fwupd.service': Permission denied
find: '/run/cryptsetmg/propagate/rwupu.service . reimission denied find: '/run/cryptsetup': Permission denied find: '/run/openvpn-client': Permission denied find: '/run/openvpn-server': Permission denied find: '/run/sudo': Permission denied find: '/run/user/1000/systemd/inaccessible/dir': Permission denied find: '/run/gdm3': Permission denied find: '/run/gdm3': Permission denied
find: '/run/udisks2': Permission denied
find: '/etc/credstore.encrypted': Permission denied
find: '/etc/openvas/gnupg': Permission denied
find: '/etc/redis': Permission denied
find: '/etc/vpnc': Permission denied
find: '/etc/ipsec.d/private': Permission denied find: '/etc/polkit-1/rules.d': Permission denied
/etc/skel/.profile
find: '/etc/credstore': Permission denied
find: '/etc/ssl/private': Permission denied
find: '/tmp/systemd-private-246f727017cd45c4a81d4c1f6063a2ce-power-profiles-daemon.service-XzuQsQ': Permission denied
find: '/tmp/systemd-private-246f727017cd45c4a81d4c1f6063a2ce-colord.service-rHs0ti': Permission denied
 find: '/tmp/systemd-private-246f727017cd45c4a81d4c1f6063a2ce-ModemManager.service-rbUel2': Permission denied
 find: '/tmp/systemd-private-246f727017cd45c4a81d4c1f6063a2ce-upower.service-5ULPxi': Permission denied
 find: '/tmp/systemd-private-246f727017cd45c4a81d4c1f6063a2ce-systemd-logind.service-8iyCaZ': Permission denied
find: '/tmp/systemd-private-246f727017cd45c4a81d4c1f6063a2ce-haveged.service-BaaIo7': Permission denied
```

6. List the inode numbers of /, /etc, /etc/hosts.

ls -i / ls -i /etc

ls -i /etc/hosts

7. Create a symbolic link of /etc/passwd in /boot.

S sudo ln -s /etc/passwd /boot/passwd_slink

8. Create a hard link of /etc/passwd in /boot. Could you? Why?

☐\$ In /etc/passwd /boot/passwd_hardlink
Hard links can only be created within the same filesystem.

9. Echo \ it will jump to the next line, and will print > Notice the prompt ">" what is that? and how can you change it from ">" to ":".

```
—(sypercat00@kali)-[~]

$\times \P$2=':'

(sypercat00@kali)-[~]

$\text{ echo \}
.
```