

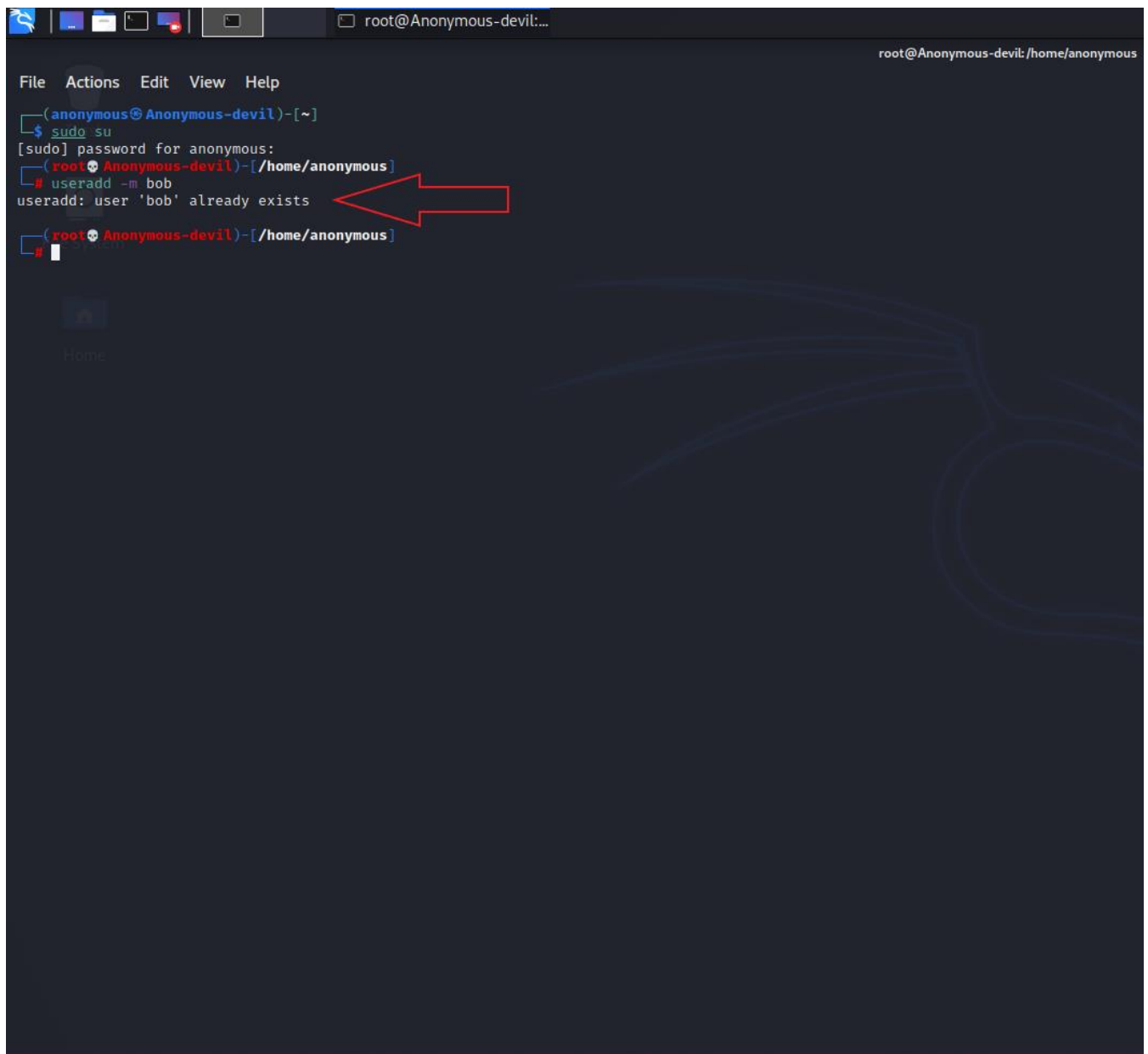
# CYBER SECURITY 3<sup>RD</sup> ASSIGNMENT

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QUESTIONS-

Q1. Create a user named bob in Kali.

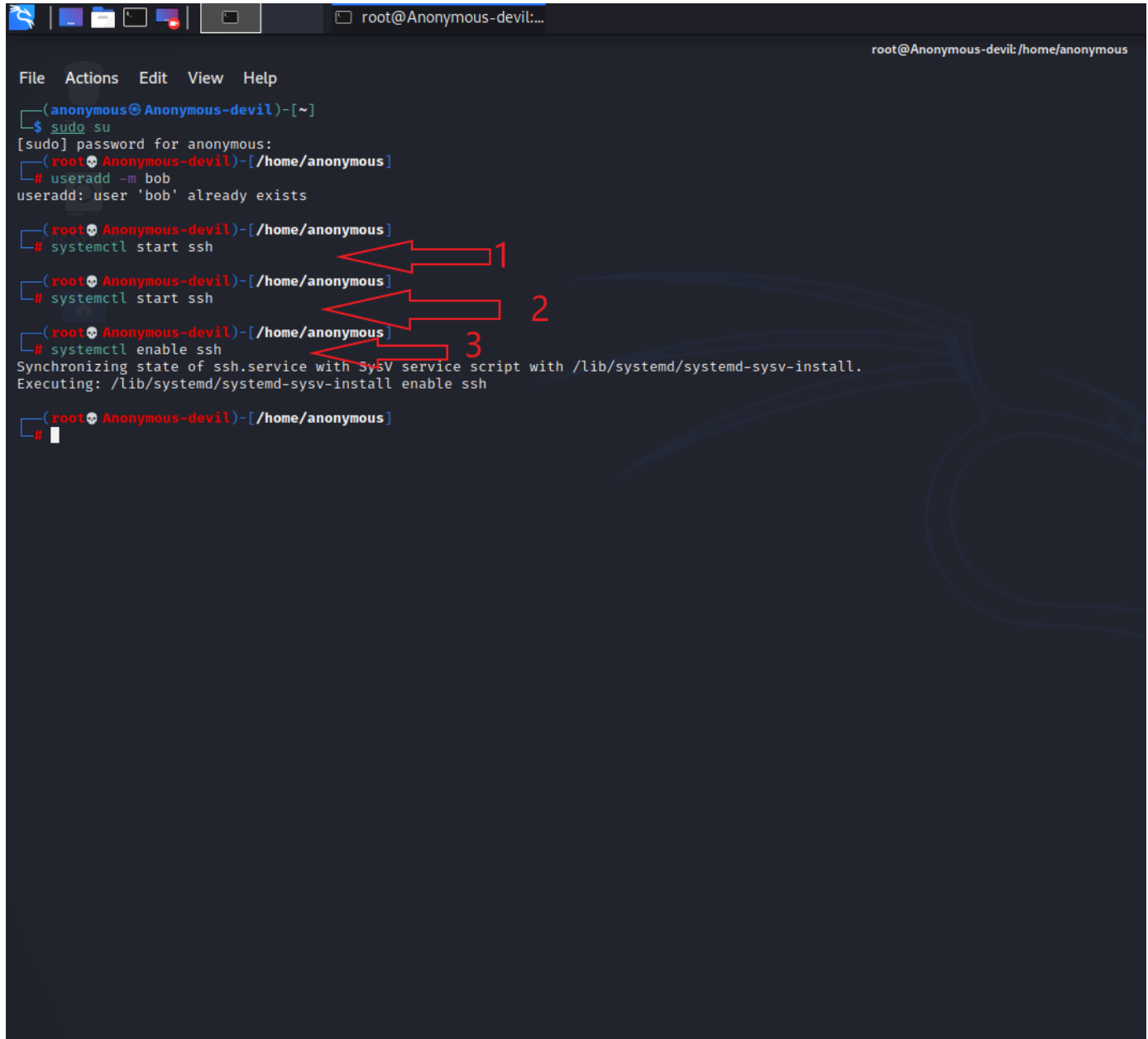
=>

A terminal window titled 'root@Anonymous-devil:...' showing a user attempting to create a new user 'bob'. The user is initially in the 'anonymous' shell. They run 'sudo su' to become root. The terminal shows the password prompt and then the root shell. The user runs 'useradd -m bob'. The output is 'useradd: user 'bob' already exists', which is highlighted by a red arrow. The terminal also shows the root shell prompt and the user's home directory path.

```
File Actions Edit View Help
[anonymous@Anonymous-devil]~$ sudo su
[sudo] password for anonymous:
[root@Anonymous-devil]~/home/anonymous# useradd -m bob
useradd: user 'bob' already exists
[root@Anonymous-devil]~/home/anonymous#
```

## Q2. Enable ssh on Kali.

=>



```
(anonymous@Anonymous-devil)-[~]
$ sudo su
[sudo] password for anonymous:
(root@Anonymous-devil)-[/home/anonymous]
# useradd -m bob
useradd: user 'bob' already exists

(root@Anonymous-devil)-[/home/anonymous]
# systemctl start ssh
1

(root@Anonymous-devil)-[/home/anonymous]
# systemctl start ssh
2

(root@Anonymous-devil)-[/home/anonymous]
# systemctl enable ssh
3
Synchronizing state of ssh.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable ssh

(root@Anonymous-devil)-[/home/anonymous]
#
```

Q3. Allow bob to login into kali from git bash without a password using keys.

=>

```
File Machine View Input Devices Help
root@Anonymous-devil:/home/anonymous

[anonymous@Anonymous-devil]~$ sudo su
[sudo] password for anonymous:
# useradd -m bob
useradd: user 'bob' already exists

[anonymous@Anonymous-devil]~$ tail /etc/passwd
pulse:x:126:131:PulseAudio daemon,,,:/var/run/pulse:/usr/sbin/nologin
saned:x:127:134:::/var/lib/saned:/usr/sbin/nologin
inetsim:x:128:136:::/var/lib/inetsim:/usr/sbin/nologin
colord:x:129:137:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
geoclue:x:130:138:::/var/lib/geoclue:/usr/sbin/nologin
lightdm:x:131:139:Light Display Manager:/var/lib/lightdm:/bin/false
king-phisher:x:132:140:::/var/lib/king-phisher:/usr/sbin/nologin
anonymous:x:1000:1000:Anonymous devil,,,:/home/anonymous:/usr/bin/zsh
systemd-coredump:x:999:999:systemd Core Dumper:/:/usr/sbin/nologin
bob:x:1001:1001::/home/bob:/bin/sh

[anonymous@Anonymous-devil]~$

Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/LENOVO/.ssh/id_rsa):
/c/Users/LENOVO/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/LENOVO/.ssh/id_rsa
Your public key has been saved in /c/Users/LENOVO/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:kPyPTzNo/pzdjs4JK/ubA1wSj77ZIB1ux6TclYthkjc LENOVO@DESKTOP-HE7FHL0
The key's randomart image is:
+----[RSA 3072]-----
  .+.
  +.+
  o+ o
  o XS+ .
  B @+E
  . o+@o
  o+=X+
  oBx+.o
+-----[SHA256]-----

LENOVO@DESKTOP-HE7FHL0 MINGW64 ~
$ ssh-copy-id bob@192.168.
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/c/Users/LENOVO/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already
installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install
the new keys
bob@192.168.43.158's password:
Permission denied, please try again.
bob@192.168.43.158's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'bob@192.168.43.158'"
and check to make sure that only the key(s) you wanted were added.

LENOVO@DESKTOP-HE7FHL0 MINGW64 ~
$ ssh bob@192.168.
Linux Anonymous-devil 5.9.0-kali1-amd64 #1 SMP Debian 5.9.1-1kali2 (2020-10-29) x86_64

The programs included with the Kali GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Kali GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Mon Jan 4 17:46:02 2021 from 192.168.43.230
_ _ _ _ _
(Message from Kali developers)
|
| We have kept /usr/bin/python pointing to Python 2 for backwards
| compatibility. Learn how to change this and avoid this message:
| - https://www.kali.org/docs/general-use/python3-transition/
|
| (Run "touch ~/.hushlogin" to hide this message)
$ uname -a
Linux Anonymous-devil 5.9.0-kali1-amd64 #1 SMP Debian 5.9.1-1kali2 (2020-10-29) x86_64 GNU/Linux
$
```