Lab 9

1. **Tasks:**

   - The screen shot of the script:


```bash
#!/bin/bash

#Display the UID and username

echo "UID: $UID
username: $(whoami)"

#Test if the last command succeeded

if [ $? -eq 0 ];
then
        echo "Last command succeed"
else
        echo "Last command failed"
fi

#Display if the user is the root user or not

if [ $(whoami) = "root" ];
then
        echo "User is the root"
else
        echo "User is not the root"
fi

#Check if the logged in user matches the user yaman

test $(whoami) = "yaman" && echo "User is yaman" || echo "User is not yaman"

#Create 3 users by using a for loop

for i in 1 2 3
do
        read -p "Enter username for the user $i:" USERNAME
        read -p "Enter expiration day for the user $i:" EXPIRATION_DAY
        read -p "Enter the role for the user $i:" ROLE

        useradd -e $EXPIRATION_DAY -c "$ROLE" $USERNAME
        echo "User $USERNAME created successfully."

done
```

   - The screen shot of the output:


```
[root@72c1d27a1b36 scripts]# vim script.sh
[root@72c1d27a1b36 scripts]# bash script.sh
UID: 0
username: root
Last command succeed
User is the root
User is not yaman
Enter username for the user 1:AdeemS
Enter expiration day for the user 1:01-01-2024
Enter the role for the user 1:root
User AdeemS created successfully.
Enter username for the user 2:ShahadA
Enter expiration day for the user 2:01-01-2024
Enter the role for the user 2:user
User ShahadA created successfully.
Enter username for the user 3:RubaA
Enter expiration day for the user 3:01-01-2024
Enter the role for the user 3:user
User RubaA created successfully.
[root@72c1d27a1b36 scripts]# tail -n 3 /etc/passwd
AdeemS:x:1016:1024:root:/home/AdeemS:/bin/bash
ShahadA:x:1017:1025:user:/home/ShahadA:/bin/bash
RubaA:x:1018:1026:user:/home/RubaA:/bin/bash
[root@72c1d27a1b36 scripts]#
```

2. Additional Challenge:

- Crontab -e

- adeemscript.sh

- Running the bash script file, cat the script_log.txt file:

```
adeemscript.sh   script.sh
[root@72c1d27a1b36 scripts]# ls
adeemscript.sh   script.sh
[root@72c1d27a1b36 scripts]# ./adeemscript.sh
[root@72c1d27a1b36 scripts]# ls
adeemscript.sh   script_log.txt   script.sh
[root@72c1d27a1b36 scripts]# cat ~/scripts/script_log.txt
 12:06:04 up  2:42,  0 users,  load average: 0.00, 0.00, 0.00
[root@72c1d27a1b36 scripts]#
```