

## Task Day1:

### Activity 1:

1. Create a script that asks for user name then send a greeting to him.

```
#!/bin/bash  
  
echo "What is your name? "  
  
read name  
  
echo "Welcome! $name"
```

2. Create a script called s1 that calls another script s2 where:

- a. In s1 there is a variable called x, it's value 5
- b. Try to print the value of x in s2 .

```
#!/bin/bash  
  
x=5
```

```
#!/bin/bash  
  
. s1.sh  
  
echo "$x"
```

3. Create a script called mycp where:

- a. It copies a file from directory to another

```
#!/bin/bash  
  
cp "case.sh" "dir1/"
```

- b. It copies multiple files from directory to another.

```
#!/bin/bash  
cp "s1.sh" "s2.sh" "dir1/"
```

4. Create a script called mycd where it change directory to the given argument directory.

```
#!/bin/bash  
cd "$1"
```

```
[amal@192 ~]$ . mycd.sh dir1/  
[amal@192 dir1]$
```

5. Create a script called myls where it lists the given argument directory.

```
#!/bin/bash  
ls "$*"  
  
ls: myls: No such file or directory  
[amal@192 ~]$ . myls.sh dir1/  
case.sh dir11 s1.sh s2.sh  
[amal@192 ~]$
```

6. Create a script to get number from user and add 1 to it and print it.

```
#!/bin/bash  
  
echo "Enter a number"  
read num  
  
sum=$((num + 1))  
  
echo "$sum"
```

```
[amal@192 ~]$ . myls.sh  
Enter a number  
4  
5  
[amal@192 ~]$
```

7. Design script to print the current logged in user

```
#!/bin/bash  
  
echo "$USER"
```

```
[amal@192 ~]$ . s1.sh  
amal
```

8. Design script to print content of file /etc/passwd

```
#!/bin/bash  
  
cat /etc/passwd
```

```
[amal@192 ~]$ . s1.sh  
root:x:0:0:root:/root:/bin/bash  
bin:x:1:1:bin:/bin:/sbin/nologin  
daemon:x:2:2:daemon:/sbin:/sbin/nologin  
adm:x:3:4:adm:/var/adm:/sbin/nologin  
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin  
sync:x:5:0:sync:/sbin:/bin/sync  
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown  
halt:x:7:0:halt:/sbin:/sbin/halt  
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
```

9. Script to sort content of file /etc/passwd based on the user id

```
#!/bin/bash  
  
cat /etc/passwd | sort -t: -nk3
```

10. Script to sort content of file /etc/passwd based on user name alphabet

```
#!/bin/bash  
  
cat /etc/passwd | sort -t: -k1
```

```
[amal@192 ~]$ . s1.sh
abrt:x:173:173::/etc/abrt:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
amal1:x:1002:1002:amal1:/home/amall:/bin/bash
amal:x:1000:1000:Amal Abdallah:/home/amal:/bin/bash
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-dae
bin:x:1:1:bin:/bin:/sbin/nologin
chrony:x:992:987::/var/lib/chrony:/sbin/nologin
colord:x:997:994:User for colord:/var/lib/colord:/sbin/r
```

11. Script to sort all integer input argument from high to low

```
#!/bin/bash

IFS=$'\n'

echo "$*" | sort -nr
```

```
[amal@192 ~]$ . s1.sh 5 1 3 9 2
9
5
3
2
1
[amal@192 ~]$
```