

## EXPERIMENT-04

QUES1:

```
localhost:~# vi testif.sh
```

```
#!/bin/bash
if [ 1 -eq 1 ];
then
echo "1 is equal to 1"
fi
~
```

```
localhost:~# ./testif.sh
sh: ./testif.sh: Permission denied
localhost:~# chmod u+rx testif.sh
localhost:~# ./testif.sh
1 is equal to 1
```

QUES 2:

```
localhost:~# vi testif.sh
```

```
#!/bin/bash
if [ 1 -ne 1 ];
then
echo "The numbers are not equal!"
else
echo "1 is equal to 1"
fi
```

```
localhost:~# ./testif.sh
sh: ./testif.sh: Permission denied
localhost:~# chmod u+rx testif.sh
localhost:~# ./testif.sh
1 is equal to 1
```

### QUES 3:

```
localhost:~# vi stringmatch.sh
```

```
#!/bin/bash
user="admin"
administrator="admin"
if [ "${user}" == "${administrator}" ]
then
echo "Strings match"
else
echo "Strings do not match"
fi
```

```
localhost:~# ./stringmatch.sh
sh: ./stringmatch.sh: Permission denied
localhost:~# chmod u+rx stringmatch.sh
localhost:~# ./stringmatch.sh
Strings match
```

### QUES 4:

```
localhost:~# vi user.sh
```

```
#!/bin/bash
auth_users="admin"
read -p "Enter your name : " user
if [[ "${user}" == "${auth_users}" ]];
then
echo "You are an administrative user authorized to manage this system"
else
echo "You are a standard user, allowed to run basic commands on this system"
fi
~
```

```
localhost:~# ./user.sh
Enter your name: admin
You are an administrative user authorized to manage this system
```

## QUES 5:

```
localhost:~# vi user.sh
```

```
#!/bin/bash
auth_user="admin"
read -p "Enter your name : " user
if [[ "${auth_user}" == "${user}" ]];
then
echo "You are an admin"
elif [[ -z "$user" ]]
then
echo "Please Enter a username : "
read user
echo "Greeting $user!"
else
echo "You are a standard user"
fi
~
```

```
localhost:~# ./user.sh
sh: ./user.sh: Permission denied
localhost:~# chmod u+rx user.sh
localhost:~# ./user.sh
Enter your name : Delta
You are a standard user
localhost:~# ./user.sh
Enter your name : admin
You are an admin
```