Day_7 - Shell Script Assignments

Assignment 1:

Ensure the script checks if a specific file (e.g., myfile.txt) exists in the current directory. If it exists, print "File exists", otherwise print "File not found".

Program -

```
CNU nano 6.2

if.sh

if.sh

read -p "enter file name " filename

if [ -e $filename ]; then
echo "file is exist"
else
echo "file is not prsent"
fi

Read 9 lines ]

AK Cut
AT Execute AC Location
AK Read File AL Replace AU Paste AJ Justify A/ Go To Line
```

```
a
                            rps@rps-virtual-machine: ~/Day7
rps@rps-virtual-machine:~$ mkdir Day7
rps@rps-virtual-machine:~$ cd Day7
rps@rps-virtual-machine:~/Day7$ nano if.sh
rps@rps-virtual-machine:~/Day7$ chmod 777 if.sh
rps@rps-virtual-machine:~/Day7$ ./if.sh
enter file name Kiran.sh
file is not prsent
rps@rps-virtual-machine:~/Day7$ nano Kiran1.sh
rps@rps-virtual-machine:~/Day7$ chmod 777 if.sh
rps@rps-virtual-machine:~/Day7$ ./if.sh
enter file name Kiran1
file is not prsent
rps@rps-virtual-machine:~/Day7$ ./if.sh
enter file name Kiran1.sh
file is exist
rps@rps-virtual-machine:~/Day7S
```

Assignment 2:

Write a script that reads numbers from the user until they enter '0'. The script should also print whether each number is odd or even.

Program -

```
rps@rps-virtual-machine: ~/Day7
                                                                                a
 GNU nano 6.2
                                                  evenodd.sh
read -p "Enter a number:" num
if [ $num -eq 0 ]; then
echo "existing"
if [ $((num % 2)) -eq 0 ]; then
  echo "$num is even"
                                          [ Read 20 lines ]
^G Help
^X Exit
                 ^O Write Out ^W
                                       Where Is
                                                                           Execute
                                                                                            Location
                     Read File
                                       Replace
                                                                           Justify
                                                                                             Go To Line
```

```
rps@rps-virtual-machine:~/Day7$ nano evenodd.sh
rps@rps-virtual-machine:~/Day7$ chmod 777 evenodd.sh
rps@rps-virtual-machine:~/Day7$ ./evenodd.sh
enter numbers(enter 0 to exist):
Enter a number:2
2 is even
Enter a number:7
7 is odd
Enter a number:0
existing
rps@rps-virtual-machine:~/Day7$
```

Assignment 3 –

Take a user enter, display weather the even or odd.

Program -

```
rps@rps-virtual-machine:~/Day7$ nano Assignment3.sh
rps@rps-virtual-machine:~/Day7$ chmod 777 Assignment3.sh
rps@rps-virtual-machine:~/Day7$ ./Assignment3.sh
enter number 4
value of 4
even number
rps@rps-virtual-machine:~/Day7$
```

Assignment 4:

Count the number of directory and files in specific folder.

Program -

```
GNU nano 6.2

#!/btn/sh
cd /home/rps

#count all the directory

c=0
for files in *
do
    if [ -d $files ]; then
    c=$((c+1))
fit
done
    echo "total number if directory prsent : $c"

#count all the files
a=0
for files in *
do
    if [ -e $files ]; then
    a=$((a+1))
fit
done
    echo "total number if files prsent : $a"
```

```
rps@rps-virtual-machine:~/Day7$ nano count.sh
rps@rps-virtual-machine:~/Day7$ chmod count.sh
chmod: mtssing operand after 'count.sh'
Try 'chmod --help' for more information.
rps@rps-virtual-machine:~/Day7$ chmod 777 count.sh
rps@rps-virtual-machine:~/Day7$ ./count.sh
total number if directory prsent : 14
total number if files prsent : 18
rps@rps-virtual-machine:~/Day7$ 

rps@rp
```

Assignment 5 –

Find the smallest number from the array.

Program -

Assignment 6 –

Find the sum of the array.

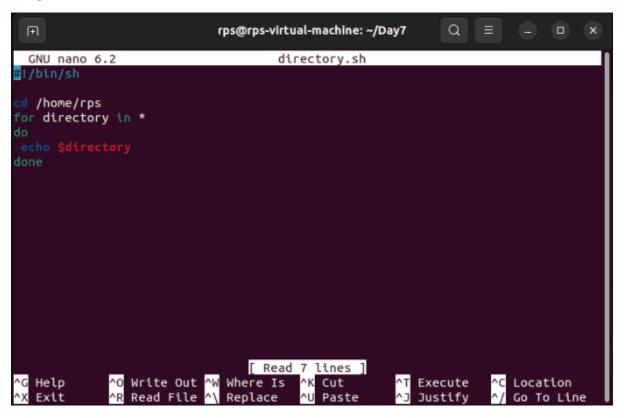
Program -

```
rps@rps-virtual-machine:~/Day7$ nano sumarray.sh
rps@rps-virtual-machine:~/Day7$ chmod 777 sumarray.sh
rps@rps-virtual-machine:~/Day7$ ./sumarray.sh
The sum of array is: 25
rps@rps-virtual-machine:~/Day7$
```

Assignment 7 –

Display all the directory names.

Program -



```
rps@rps-virtual-machine: ~/Day7
                                                            Q
rps@rps-virtual-machine:~/Day7$ nano directory.sh
rps@rps-virtual-machine:~/Day7$ chmod 777 directory.sh
rps@rps-virtual-machine:~/Day7$ ./directory.sh
Day7
Desktop
Documents
Downloads
Kiran
Movies
Music
Pictures
Public
Templates
Videos
hello
helloworld.sh
node_exporter-0.18.1.linux-amd64.tar.gz
oracle-database-xe-21c-1.0-1.ol8.x86 64.rpm
program
program1
snap
rps@rps-virtual-machine:~/Day7$
```

Assignment 8 –

Check whether the number is palindrome or not.

Program -

```
rps@rps-virtual-machine: ~/Day7
                                                                    Q
  Ħ
  GNU nano 6.2
                                         Palindrome.sh
#!/bin/sh
read -p "Enter a number:" num
res=$(echo $num | rev)
echo "$num is a palindrome"
echo "$num is not palindrome"
fi
                                    [ Read 12 lines ]
               ^O Write Out ^W Where Is ^R Read File ^\ Replace
                                                                           ^C Location
^/ Go To Lir
'G Help
                                             ^K Cut
                                                               Execute
   Exit
                                 Replace
                                                               Justify
                                                                               Go To Line
```

```
rps@rps-virtual-machine:~/Day7$ nano Palindrome.sh
rps@rps-virtual-machine:~/Day7$ chmod 777 Palindrome.sh
rps@rps-virtual-machine:~/Day7$ ./Palindrome
bash: ./Palindrome: No such file or directory
rps@rps-virtual-machine:~/Day7$ ./Palindrome.sh
Enter a number:123
123 is not palindrome
rps@rps-virtual-machine:~/Day7$ ./Palindrome.sh
Enter a number:12321
12321 is a palindrome
rps@rps-virtual-machine:~/Day7$
```