PP Assignment :02

Enrollment No. 0801CS201090
Submitted by :- Sidharth Jain

Q.1
Answer:-

```
sidharth07@DESKTOP-ILP7LUG:~$ sudo su - sgsits_Sidharth_0801CS201090
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ proxy_https=sgsits_Sidharth_0801CS201090:ubuntu@27.0.0.17:2077
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ proxy_ftp=sgsits_Sidharth_0801CS201090:ubuntu@27.0.0.17:2077
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ proxy_http=sgsits_Sidharth_0801CS201090:ubuntu@27.0.0.17:2077
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$
```

Q.2
Answer:-

```
sidharth07@DESKTOP-ILP7LUG:~$ sudo su - sgsits_Sidharth_0801CS201090
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ cat assign_02_que_02_90.sh
for i in {1..20}
do
            echo $i
        done
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ bash assign_02_que_02_90.sh
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$
```

Q.3
Answer:-

```
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ cat assign_02_que_03_090.sh
echo "enter a and b"
read a
read b
for ((i=a; i<=b; i++))
do
                echo $i
        done
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ bash assign_02_que_03_090.sh
enter a and b
4
21
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$
```

Q.4
Answer:-

```
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ cat assign_02_que_04_090.sh
for ((a=$1;a<=$2;a++))
do
          echo $a
  done
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ bash assign_02_que_04_090.sh 5 12
5
6
7
8
9
10
11
12
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$
```

Q.5
Answer:-

```
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ vim assign_02_que_05_090.sh
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ touch assign_02_que_090.txt
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ vim assign_02_que_090.txt
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ cat assign_02_que_090.txt
hello
My name is Sidharth Jain
sgsits
from
dhar
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ cat assign_02_que_090.sh
cat: assign_02_que_090.sh: No such file or directory
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ mv assign_02_que_090.txt assign_02_que_05_090.txt
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ cat assign_02_que_05_090.txt
hello
My name is Sidharth Jain
sgsits
from
dhar
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ cat assign_02_que_05_090.sh
sed -n $2p $1
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ bash assign_02_que_05_090.sh assign_02_que_05_090.txt 3
sgsits
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$
```

Q.6
Answer:-

```
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ vim assign_02_que_06_090.txt
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ cat < assign_02_que_06_090.txt
hello
this is que no 06
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ cat assign_02_que_06_090.txt
hello
this is que no 06
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$
```

Q.7
Answer:-

```
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ vim assign_02_que_07_090.txt
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ vim assign_02_que_07_090.sh
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ cat assign_02_que_07_090.txt
hello
sgsits
this is sidharth
sgsits
from indore
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ cat assign_02_que_07_090.sh
echo $2
grep -wn $2 $1 | cut -d: -f1
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ bash assign_02_que_07_090.sh assign_02_que_07_090.txt sgsits
sgsits
2
4
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$
```

Q.8
Answer:-

```
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ cat assign_02_que_08_090.sh
clear
echo -n "number of elements enter:"
read n
echo enter elements
for((i=1;i<=$n;i++))
do
        echo -n "enter element $i :"
        read arr[$i]
done
echo -n "enter the element you want to search:"
read item
lb=1
ub=$n
while [ $lb -le $ub ]
do
        x=`expr $ub + $lb`
        mid=`expr $x / 2`
        if [ $item -lt ${arr[$mid]} ]
        then
                ub=`expr $mid - 1`
        elif [ $item -gt ${arr[$mid]} ]
        then
                lb=`expr $mid + 1`
        elif [ $item -eq ${arr[$mid]} ]
        then
                echo $item found at position $mid
                break
        fi
done
if [ $lb -gt $ub ]
then
        echo not found
fi
```

```
number of elements enter:5
enter elements
enter element 1 :2
enter element 2 :3
enter element 3 :5
enter element 4 :7
enter element 5 :9
enter the element you want to search:5
5 found at position 3
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$
```

Q.9
Answer:-

```
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ vim assign_02_que_09_090.sh
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ cat assign_02_que_09_090.sh
MYDIR=$1
cd $MYDIR
ls  $MYDIR
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$ bash assign_02_que_09_090.sh /home/
sgsits_Sidharth_0801CS201090  sidharth07
sgsits_Sidharth_0801CS201090@DESKTOP-ILP7LUG:~$
```