Experiment No. 3.3

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Subject Name: Linux Administration Lab   **Subject Code: 22CAP-648**

1. Aim/Overview of the practical:

Q.1 Write shell script program to swap two numbers by using third variable.

Write a shell script to print this following sequence

0

1 0

2 1 0

3 2 1 0

4 3 2 1 0

5 4 3 2 1 0

Q.2 Write a shell script to print the number is prime or not.

Write a shell script to print number 1 to 10 use continue at 6

2. Code for practical:
Q1. A

```
# !/bin/bash
first=5
second=10

temp=$first
first=$second
```
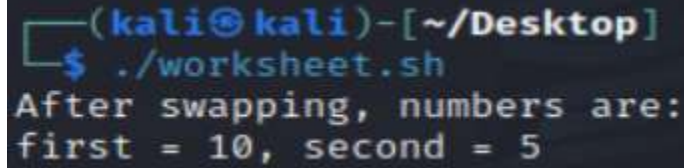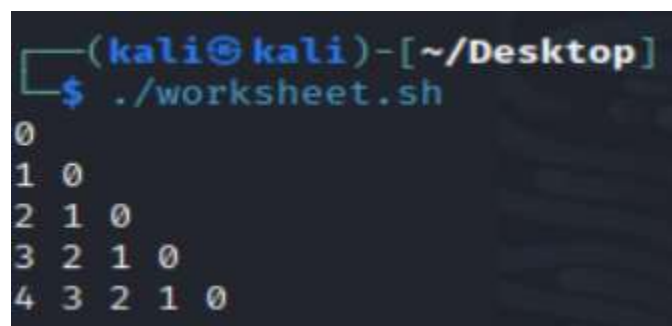
```
        second=$temp
        echo "After swapping, numbers are:"
        echo "first = $first, second = $second"
```


Q1. B

```bash
#!/bin/bash

a=0

while [ "$a" -lt 5

do

  b="$a"

  while [ "$b" -ge 0 ]

  do

    echo -n "$b "

    b=`expr $b - 1`

  done

  echo

  a=`expr $a + 1`

done
```


Q2. A

```
echo "Enter a number"
read number
```

```
i=2
f=0
while test $i -le `expr $number / 2`
do
if test `expr $number % $i` -eq 0
then
f=1
fi
i=`expr $i + 1`
done
if test $f -eq 1
then
echo "Not Prime"
else
echo "Prime"
fi
```

```
(kali㊙kali)-[~/Desktop]
$ ./worksheet.sh
Enter a number
51
Not Prime
```

Q2. B

```
for a in 1 2 3 4 5 6 7 8 9 10
do
   echo $a
   if [ $a -eq 6 ]
   then
      break
   fi
done
```

```
(kali㊙kali)-[~/Desktop]
$ ./worksheet.sh
1
2
3
4
5
6
```

************************************* THE END *************************************