# KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)

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## LAB 3

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- Branch :CSE

```
# 1. write a shell programme to input 2 no.s and
display it.?

echo "enter 2 no."

read a b

echo "$a $b"
```

## OUTPUT-1

```
kiit@BT1000099566:/mnt/d/my codes/OSLAB/lab3$ ./q1_input.sh
enter 2 no.
4 5
4 5
```

```
# 2. Write a shell programme input 2 no. and swap them
with using third variable

echo "enter 2 no."


read a b


echo "before swapping values are $a $b"
temp=`expr $a`
a=`expr $b`
b=`expr $temp`
# temp=$a
# a=$b
# b=$temp



echo "after swapping values are $a $b"
```

```
kiit@BT1000099566:/mnt/d/my codes/OSLAB/lab3$ ./q2_swap.sh
enter 2 no.
3 6
before swapping values are 3 6
after swapping values are 6 3
```

```
# 3. Write a shell programme input 2 no. and swap them
without using third variable

echo "enter 2 no."

read a b


echo "before swapping values are $a $b"
temp=`expr $a`
a=`expr $b`
b=`expr $temp`
# temp=$a
# a=$b
# b=$temp



echo "after swapping values are $a $b"
```

```
kiit@BT1000099566:/mnt/d/my codes/OSLAB/lab3$ ./q3_swap_wv.sh
enter 2 no.
23 42
before swapping values are 23 42
after swapping values are 42 23
```

```
# 4. write a shell programe to input 2 no. and perform
arithmetic operations

echo "enter 2 no."

read a b


sum=`expr $a + $b`
echo "sum= $sum"

sub=`expr $a - $b`
echo "sub= $sub"

divide=`expr $a / $b`
echo "divide= $divide"

mul=`expr $a \* $b`
echo "mutliply= $mul"
```

```
kiit@BT1000099566:/mnt/d/my codes/OSLAB/lab3$ ./q4_arith.sh
enter 2 no.
23 12
sum= 35
sub= 11
divide= 1
mutliply= 276
```

```
# 5. write a shell script programme input radius of a
circle
# and find out its area and perimeter

echo "enter the radius"

read a

area=`echo 3.14 \* $a \* $a|bc`
echo "area=$area"

perim=`echo 2\* 3.14 \* $a |bc`
echo "perimeter=$perim"
```

<mark>output-5</mark>

```
ailable updates is more than a week old.
To check for new updates run: sudo apt update

This message is shown once a day. To disable it please create the
shlogin file.
kiit@BT1000099566:/mnt/d/my codes/OSLAB/lab3$ ./q5_area.sh
enter the radius
20
area=1256.00
perimeter=125.60
```

```bash
# 6. write a sheLl script programme input time in second and
#  convert it into hour min andsecond
echo "enter the time in second"


read a


hr=`expr $a / 60 / 60`
a=`expr $a % 3600`



min=`expr $a / 60`
a=`expr $a `
echo " hr=$hr min=$min sec=$a"
```

<mark>OUTPUT-6</mark>

```
kiit@BT1000099566:/mnt/d/my codes/OSLAB/lab3$ ./q6_time.sh
enter the time in second
63221
 hr=17 min=33 sec=2021
```