

```
echo "Square of a number"  
square=$((5*5))  
echo "Square of number: $square"
```

o/p: Square of number.
square is 25.

```
(4) echo "Enter your name"  
read name  
echo "Welcome $name to LinuxHint"
```

o/p: Enter your name
Savanya
welcome Savanya to LinuxHint

~~Rs~~
~~07/11/22~~

Lab-3

Whether year is leap year or not

```
(1) echo "Enter the year"  
read y  
if [  $y \% 4$  -eq 0 ]  
then  
echo "The year is leap"
```


else.
echo "the year is not leap"
fi

o/p
Enter the year
2008
the year is leap.

② Area of circle.

echo "enter the radius"
read r

area = $\frac{22}{7} \times r \times r$
echo "area"

o/p

Enter the radius

2

12.56.

③ Area of triangle.

```

echo "Enter the base"
read b
echo "Enter the height"
read h
area = echo 3.14 \* $b \* $h / 2 | bc
echo "Area"

```

O/p.

Enter the base
2

Enter the height.

5

5.0

④

to rename a file + mv
area of rectangle.

```

echo "Enter the length"
read l
echo "Enter the breadth"
read b
area = echo $l \* $b | bc
echo "Area"

```


o/p

Enter the length

2

Enter the breadth

3

6

(5) area of a Square:-

echo "Enter the len"

read l

area = `echo \$l * \$l | bc`

echo "\$area"

o/p

Enter the len

2

4.

Renaming a file

papergrid

Date: / /

(5) \$ nano hema.sh → some file
\$ ls

hema.sh

\$ mv hema.sh hello.sh

\$ ls

hello.sh

~~(6) Creating a directory~~

(6) Create a directory

```
# ! /bin/bash
echo "directory name"
read d
mkdir "$d"
```

o/p

ls

Create.sh

\$./Create.sh

Directory name:

new dir

ls Create.sh new dir

⑦ P P

echo " P P "

echo '\$0 = '\$0

echo '\$1 = '\$1

echo '\$2 = '\$2

echo '\$3 = '\$3

o/b

\$0 = positional. sh

\$1 = first

\$2 = second

\$3 = third.

~~R~~

~~14/11/22~~