

Activities Terminal May 10 06:48

Open factorial.sh ~/Desktop Save

function.sh

```
#!/bin/bash
factorial()
{
local=$1
if((local<=2)); then
echo $local
else
f=$((local - 1))
f=$(factorial $f)
f=$((f*local))
echo $f
fi
}
read -p "Enter the number:" n
if((n==0)); then
echo 1
else
factorial $n
fi
```

mca@localhost:~/Desktop

```
File Edit View Search Terminal Help
[mca@localhost ~]$ cd Desktop/
[mca@localhost Desktop]$ chmod +x factorial.sh
[mca@localhost Desktop]$ ./factorial.sh
Enter the number:4
24
[mca@localhost Desktop]$
```

```
File Edit View Search Terminal Help
[mca@localhost ~]$ cd Desktop/
[mca@localhost Desktop]$ chmod +x count.sh
[mca@localhost Desktop]$ ./count.sh
enter the file name
add.sh
no: of characters in add.sh is 95
no: of words in add.sh is 21
no: of lines in add.sh is 11
[mca@localhost Desktop]$
```

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Open

fileoperator.sh
~/Desktop

*add.sh

#!/bin/sh

file="/var/www/tutorialspoint/unix/test.sh"
if [-b \$file]
then
 echo "File is a block special file"
else
 echo "File not a block special file"
fi
if [-r \$file]
then
 echo "File has read access"
else
 echo "File does not have read access"
fi

if [-w \$file]
then
 echo "File has write permission"
else
 echo "File does not have write permission"
fi

if [-x \$file]
then
 echo "File has execute permission"
else
 echo "File does not have execute permission"
fi

if [-f \$file]

mca@localhost:~/Desktop

File Edit View Search Terminal Help
[mca@localhost ~]\$ cd Desktop/
[mca@localhost Desktop]\$ chmod +x fileoperator.sh
[mca@localhost Desktop]\$./fileoperator.sh
File not a block special file
File does not have read access
File does not have write permission
File does not have execute permission
This is sepcial file
This is not a directory
File size is zero
File does not exist
[mca@localhost Desktop]\$

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Open function.sh Desktop Save

*add.sh function.sh

```
#!/bin/bash
function add()
{
j=$1
k=$2
(( l = $a + $b ))
echo "sum is:$l"
}
function subtract()
{
j=$1
k=$2
(( l = $a - $b ))
echo "Difference is:$l"
}
function multiply()
{
j=$1
k=$2
(( l = $a * $b ))
echo "product is:$l"
}
function divide()
{
j=$1
k=$2
(( l = $a / $b ))
echo "quotient is:$l"
}
a=10
b=20
add $a $b
```

mca@localhost:~/Desktop

File Edit View Search Terminal Help

```
[mca@localhost ~]$ cd Desktop/
[mca@localhost Desktop]$ chmod +x function.sh
[mca@localhost Desktop]$ ./function.sh
sum is:30
Difference is:-10
product is:200
quotient is:0
[mca@localhost Desktop]$
```

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