







The screenshot shows a Linux desktop environment. At the top, there is a panel with icons for Applications, Places, and System, along with system status icons (volume, network, battery) and the date/time (Tue May 10, 21:28) and username (mca). Below this is a window titled "fn.sh (~/Desktop) - gedit". The window has a menu bar (File, Edit, View, Search, Tools, Documents, Help) and a toolbar with icons for Open, Save, Print, Undo, Cut, Copy, Paste, and Find. The main editing area shows a shell script named "fn.sh" with the following content:

```
#!/bin/bash
echo -e "Enter the filename: \c"
read filename
if [ -e $filename ]
then
echo "$filename found"
else
echo "$filename not found"
fi
if [ -b $filename ]
then
echo " $filename block special file"
else
echo " $filename is not a block special file"
fi
if [ -d $filename ]
then
echo "$filename is a directory"
else
echo "$filename not directory"
fi
if [ -f $filename ]
then
echo " $filename is ordinary file"
else
echo " $filename is a special file"
fi
if [ -r $filename ]
then
echo "$filename is readable"
else
echo "$filename not readable"
fi
```

At the bottom of the window, there is a status bar showing "sh", "Tab Width: 8", "Ln 50, Col 32", and "INS". Below the window, there is a taskbar with icons for "fn.sh (~/Desktop) - gedit" and "mca@localhost: ~/Des...".










```
echo "$filename not directory"
fi
if [ -f $filename ]
then
echo " $filename is ordinary file"
else
echo " $filename is a special file"
fi
if [ -r $filename ]
then
echo "$filename is readable"
else
echo "$filename not readable"
fi
if [ -s $filename ]
then
echo " $filename size greater than 0"
else
echo " $filename size is not greater than 0"
fi
if [ -w $filename ]
then
echo "$filename is writable"
else
echo "$filename not writable"
fi
if [ -x $filename ]
then
echo " $filename is executable"
else
echo " $filename not executable"
fi
```

```
[mca@localhost Desktop]$ chmod +x fn.sh
[mca@localhost Desktop]$ ./fn.sh
Enter the filename: add.sh
add.sh found
add.sh is not a block special file
add.sh not directory
add.sh is ordinary file
add.sh is readable
add.sh size greater than 0
add.sh is writable
add.sh is executable
[mca@localhost Desktop]$
```

Applications Places System       Tue May 10, 21:13 mca

add.sh (~/Desktop) - gedit

File Edit View Search Tools Documents Help







 Open  Save   Undo     

add.sh

```
#!/bin/bash
function add()
{
j=$1
k=$2
(( sum = $1 + $2 ))
echo "Sum is : $sum "
}
function difference()
{
j=$1
k=$2
(( difference = $1 - $2 ))
echo "Difference is : $difference "
}
function multiplication()
{
j=$1
k=$2
(( product = $1 * $2 ))
echo "Product is : $product "
}
function division()
{
j=$1
k=$2
(( quo = $1 / $2 ))
echo "Quotient is : $quo "
}
echo "enter two values:"
read a
read b|
add $a $b
```










sh Tab Width: 8 Ln 32, Col 7 INS

shell program to add t... add.sh (~/Desktop) - g... [mca@localhost: ~/De...

Applications Places System       Tue May 10, 21:13 mca

add.sh (~/Desktop) - gedit

File Edit View Search Tools Documents Help

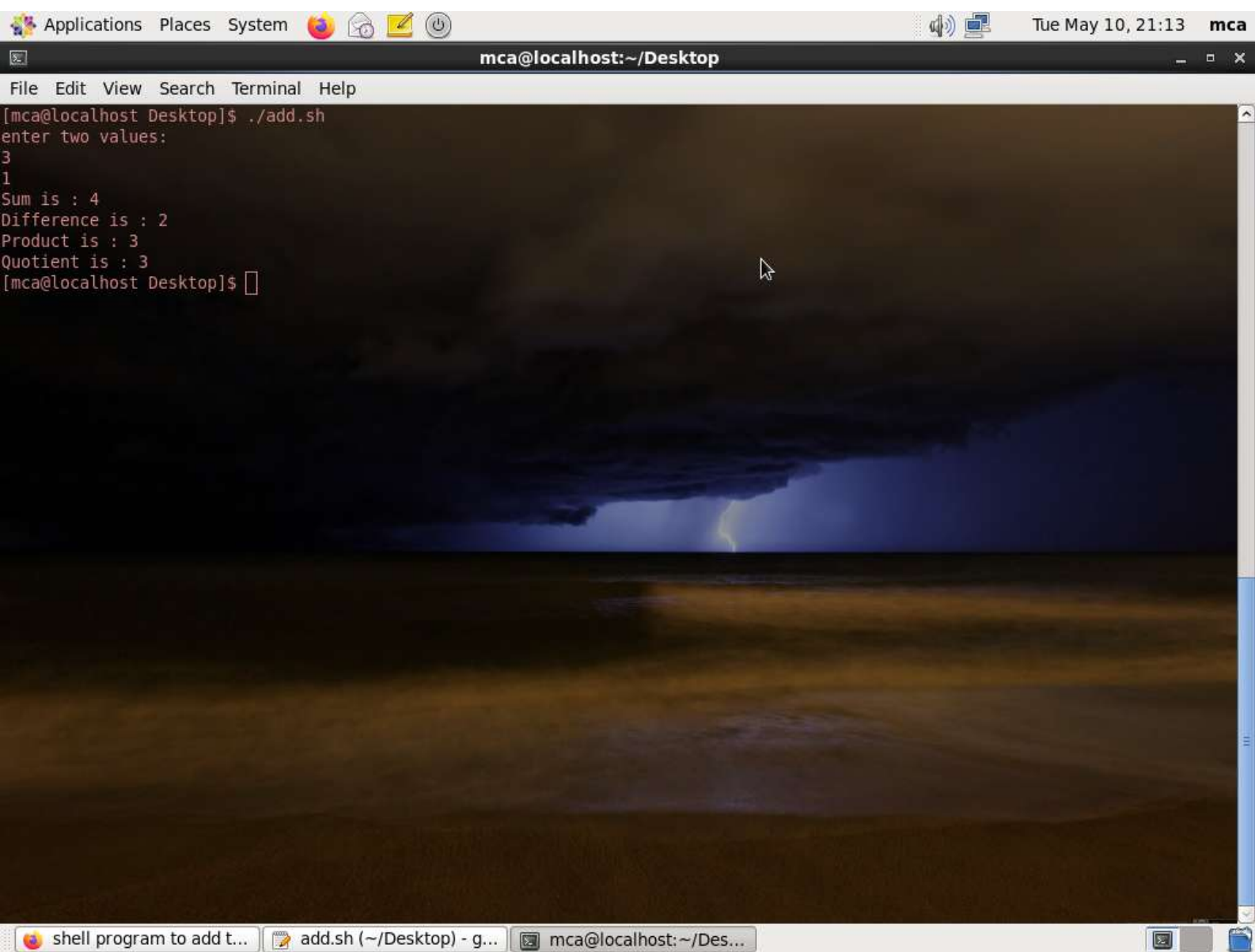
 Open  Save   Undo     

add.sh

```
j=$1
k=$2
(( sum = $1 + $2 ))
echo "Sum is : $sum "
}
function difference()
{
j=$1
k=$2
(( difference = $1 - $2 ))
echo "Difference is : $difference "
}
function multiplication()
{
j=$1
k=$2
(( product = $1 * $2 ))
echo "Product is : $product "
}
function division()
{
j=$1
k=$2
(( quo = $1 / $2 ))
echo "Quotient is : $quo "
}
echo "enter two values:"
read a
read b
add $a $b
difference $a $b
multiplication $a $b
division $a $b
```

sh Tab Width: 8 Ln 32, Col 7 INS

shell program to add t... add.sh (~/Desktop) - g... [mca@localhost:~/De...



The screenshot shows a Linux desktop environment. At the top is a panel with icons for Applications, Places, and System, along with a volume icon, a network icon, and a clock showing 'Tue May 10, 21:38' and the username 'mca'. Below this is a window titled 'count.sh (~/Desktop) - gedit'. The window has a menu bar (File, Edit, View, Search, Tools, Documents, Help) and a toolbar with icons for Open, Save, Print, Undo, Cut, Copy, Paste, and Find. The tab bar shows three tabs: 'add.sh', 'fn.sh', and 'count.sh'. The main text area contains a shell script:

```
#!/bin/bash
echo "Enter the filename"
read file
c=`cat $file | wc -c`
w=`cat $file | wc -w`
l=`grep -c "." $file`
echo "No: of characters in $file is $c"
echo "No: of words in $file is $w"
echo "No: of lines in $file is $l"
```

At the bottom of the window, the status bar shows 'sh', 'Tab Width: 8', 'Ln 6, Col 3', and 'INS'. Below the window is a taskbar with three open applications: 'count.sh (~/Desktop) - ...', 'mca@localhost: ~/Des...', and 'Shell Script To Count N...'. The desktop background is white.


```
[mca@localhost Desktop]$ chmod +x count.sh
[mca@localhost Desktop]$ ./count.sh
Enter the filename
add.sh
No: of characters in add.sh is 459
No: of words in add.sh is 97
No: of lines in add.sh is 36
[mca@localhost Desktop]$
```