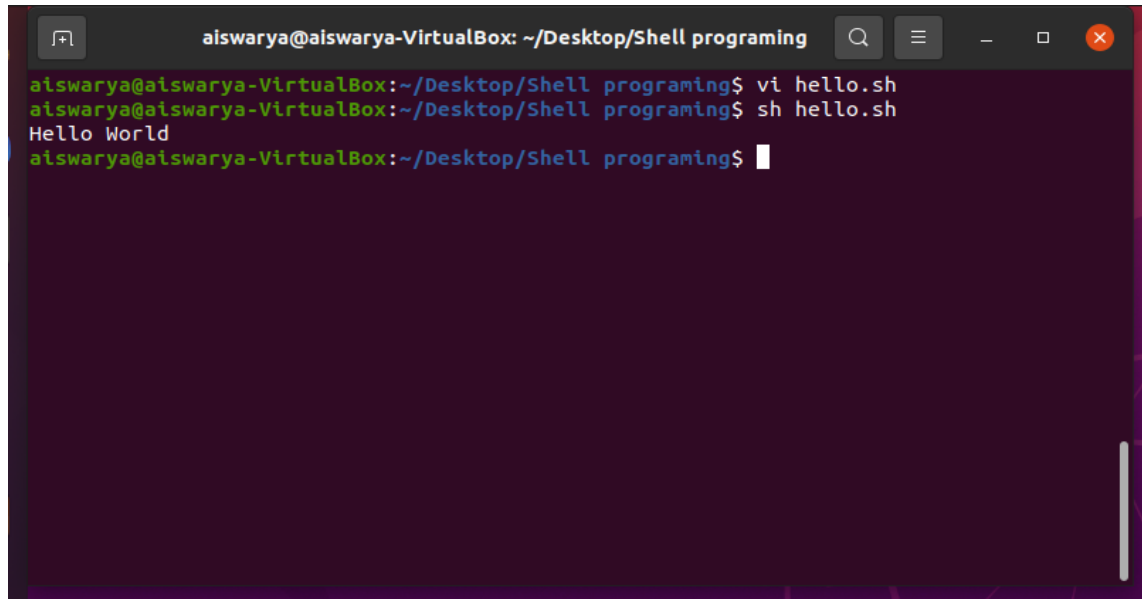


1. Shell Program to display Hello world

```
#!/bin/sh  
echo "hello world"
```

Output

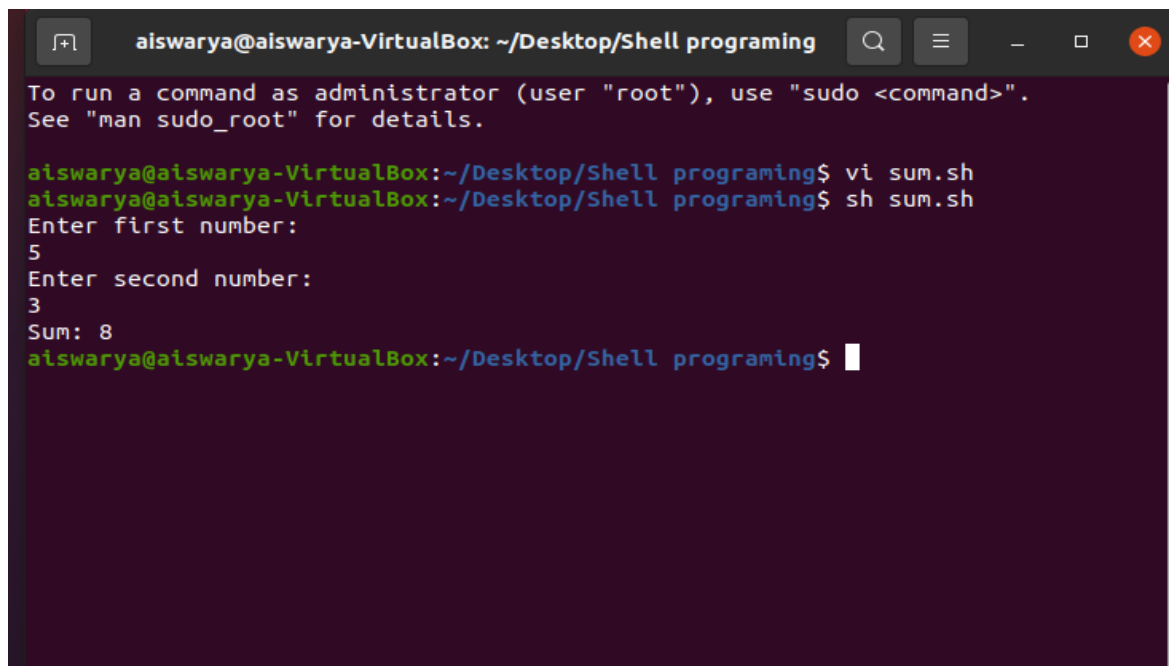
A terminal window titled "aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing" with standard window controls. The terminal shows the following sequence of commands and output:

```
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ vi hello.sh  
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ sh hello.sh  
Hello World  
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$
```

2. Shell Program to find sum of 2 numbers

```
#!/bin/sh
echo "enter first value"
read a
echo "enter 2nd value"
read b
c=$(expr "$a" + "$b")
echo "sum: "$c
```

Output



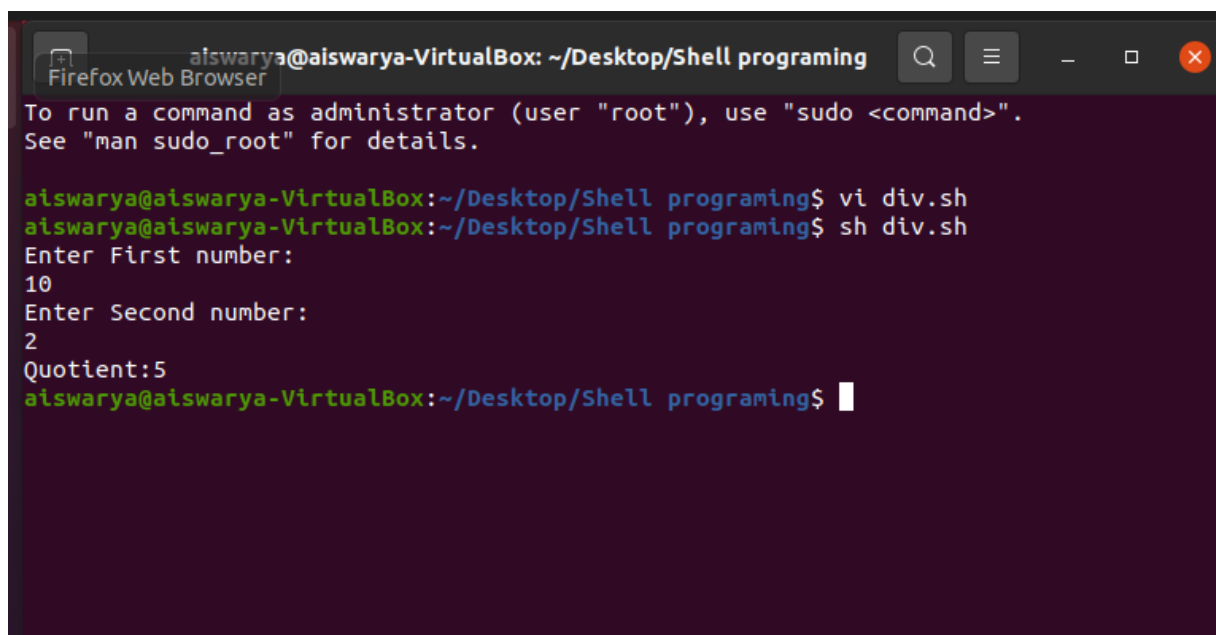
```
aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ vi sum.sh
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ sh sum.sh
Enter first number:
5
Enter second number:
3
Sum: 8
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$
```

3. Shell Program to find quotient of 2 numbers

```
#!/bin/bash
echo "enter first value"
read a
echo "enter 2nd value"
read b
c=$(expr "$a" / "$b")
echo "quotient:"$c
```

Output



The screenshot shows a terminal window titled "aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing". The window contains the following text:

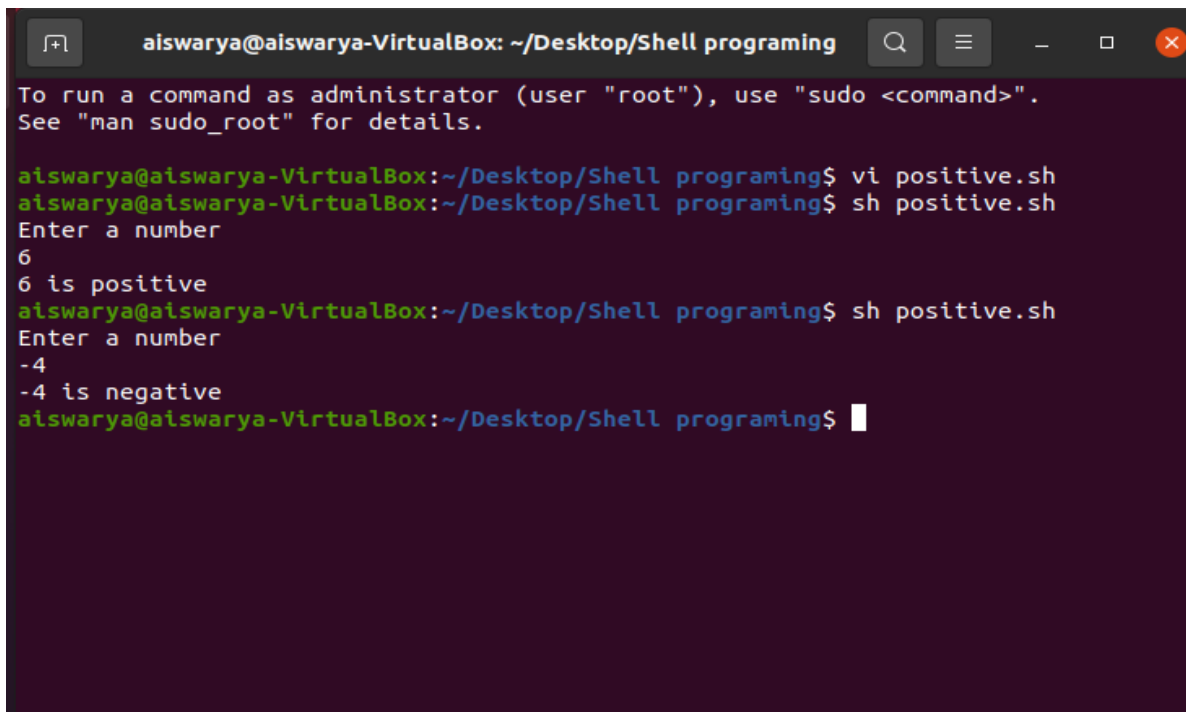
```
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ vi div.sh
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ sh div.sh
Enter First number:
10
Enter Second number:
2
Quotient:5
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$
```

4. Shell program to check whether a given number is positive or negative

```
#!/bin/sh
echo "enter first value"
read a
if [ $a -lt 0 ]
then
echo "$a is negative";
else
echo "$a is positive";
fi
```

Output



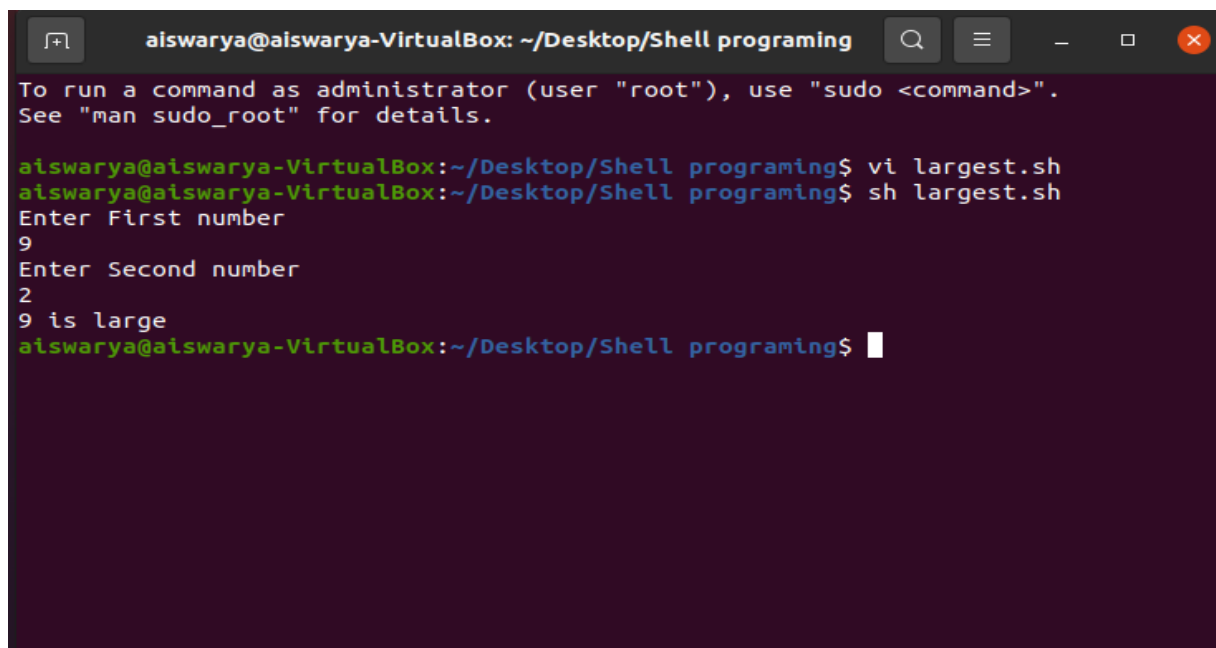
```
aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ vi positive.sh
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ sh positive.sh
Enter a number
6
6 is positive
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ sh positive.sh
Enter a number
-4
-4 is negative
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$
```

5. Shell program to find largest of 2 numbers

```
#!/bin/sh
echo "enter first value"
read a
echo "enter second value"
read b
if [ $a -gt $b ]
then
echo "$a is large";
else
echo "$b is large";
fi
```

Output

A terminal window titled 'aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing'. It shows the execution of a script named 'largest.sh'. The user enters '9' for the first number and '2' for the second number. The script outputs '9 is large'.

```
aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ vi largest.sh
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ sh largest.sh
Enter First number
9
Enter Second number
2
9 is large
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$
```