

### 1. Shell program to display Hello World

```
#!/bin/sh
```

```
echo "hello world"
```

Output

```
localhost:~# #!/bin/sh
localhost:~# echo "hello world"
hello world
localhost:~#
```

### 2. Shell program to find sum of 2 numbers

```
#!/bin/bash
```

```
echo "enter first value"
```

```
read a
```

```
echo "enter 2nd value"
```

```
read b
```

```
c=$(expr "$a" + "$b")
```

```
echo "sum: "$c
```

Output

```
localhost:~# #!/bin/bash
localhost:~# echo "enter the first value"
enter the first value
localhost:~# read a
3
localhost:~# echo "enter the second value"
enter the second value
localhost:~# read b
5
localhost:~# c=$(expr "$a" + "$b")
localhost:~# echo "sum: "$c
sum:8
localhost:~#
```

### 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

```
localhost:~# #!/bin/bash
localhost:~# echo "enter first value"
enter first value
localhost:~# read a
10
localhost:~# echo "enter second value"
enter second value
localhost:~# read b
2
localhost:~# c=$(expr "$a" / "$b")
localhost:~# echo "quotient:"$c
quotient:5
localhost:~#
```

4. Shell program to find 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

```
localhost:~# #!/bin/sh
localhost:~# echo "enter value"
enter value
localhost:~# read a
7
localhost:~# if [ $a -lt 0 ]
> then
> echo "$a is negative";
> else
> echo "$a is positive";
> fi
7 is positive
localhost:~#
```

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

```
localhost:~# #!/bin/bash
localhost:~# echo "enter first value"
enter first value
localhost:~# read a
4
localhost:~# echo "enter second value"
enter second value
localhost:~# read b
6
localhost:~# if [ $a -gt $b ]
> then
> echo "$a is large";
> else
> echo "$b is large";
> fi
6 is large
localhost:~#
```