

Method	Usage	Supports Integers	Supports Floating-Point
<code>\$(())</code>	Arithmetic expansion	Yes	No
<code>let</code>	Command for inline arithmetic	Yes	No
<code>expr</code>	Legacy command for arithmetic	Yes	No
<code>(())</code>	Arithmetic evaluation in loops/conditions	Yes	No
<code>bc</code>	Tool for advanced floating-point math	Yes	Yes

```

shadow404@shadow404-Lenovo-E50-80: ~/Desktop/ODC Assinment1
GNU nano 7.2 Question10.sh
#!/bin/bash

read -p "please enter frist number: " a
read -p "please enter second number: " b

# Perform arithmetic operations
sum=$((a + b))
sub=$((a - b))
mul=$((a * b))
div=$((a / b))
mod=$((a % b))

# Print the results
echo "Sum: $sum"
echo "Sub: $sub"
echo "Mul: $mul"
echo "Div: $div"
echo "Modulus: $mod"

```

[^]G Help [^]O Write Out [^]W Where Is [^]K Cut [^]T Execute [^]C Location ^M-U Undo ^M-A Set Mark
[^]X Exit [^]R Read File [^]\ Replace [^]U Paste [^]J Justify [^]/ Go To Line ^M-E Redo ^M-6 Copy

```
shadow404@shadow404-Lenovo-E50-80: ~/Desktop/ODC Assinment1
shadow404@shadow404-Lenovo-E50-80:~/Desktop/ODC Assinment1$ nano Question10.sh
shadow404@shadow404-Lenovo-E50-80:~/Desktop/ODC Assinment1$ ./Question10.sh
please enter frist number: 2
please enter second number: 2
Sum: 4
Sub: 0
Mul: 4
Div: 1
Modulus: 0
shadow404@shadow404-Lenovo-E50-80:~/Desktop/ODC Assinment1$
```