

1. write a js program to perform addition , subtraction , multiplication , division , modulus using three variables

The screenshot shows the Programiz JavaScript Online Compiler interface. The code in `main.js` prompts the user for three numbers (A, B, and C) and performs various arithmetic operations. The output shows the results of these operations.

```
1 // Online Javascript Editor for free
2 // Write, Edit and Run your Javascript code using JS Online Compiler
3
4 a=Number(prompt("Enter First Number :"));
5 b=Number(prompt("Enter Second Number :"));
6 c=Number(prompt("Enter Third Number :"));
7 d=a+b+c;
8 e=a-b-c;
9 f=a*b*c;
10 g=(a*b*c);
11 h=(a/b/c);
12 i=(a+b*c);
13 j=(a*b+(b/c));
14 console.log("Addition of A,B and C :",d+"\nSubstraction of A,B and C :",
15             e+"\nMultiplication of A,B and C :",f+"\nModulus of A,B and C :",g
16             +"\nDivision of A,B and C :",h+"\nSimplication of A,B and C :",i
17             +"\nSimplication of A,B and C :",j);
```

Output:

```
node /tmp/GjeaLG76a9.js
Enter First Number :5
Enter Second Number :5
Enter Third Number :5
Addition of A,B and C : 15
Substraction of A,B and C : -5
Multiplication of A,B and C : 125
Modulus of A,B and C : 0
Division of A,B and C : 0.2
Simplication of A,B and C : 30
Simplication of A,B and C : 1
```

2) write a js program to swap a number using third variables
a = 10 , b = 20 after swapping a = 20 , b = 20

The screenshot shows the Programiz JavaScript Online Compiler interface. The code in `main.js` demonstrates two ways to swap two numbers (a and b) using a third variable (temp). The output shows the values of a and b before and after the swap.

```
1 //Dynamically Typed
2 console.log('Dynamically typed')
3 var a = parseInt(prompt("Enter the First number :"));
4 var b = parseInt(prompt("Enter the Second number :"));
5 temp=a;
6 a= b;
7 b = temp;
8 console.log("After swapping, a =", a);
9 console.log("After swapping, b =", b);
10
11 //Statically Typed
12 console.log('Statically Typed')
13 a=10;
14 b=20;
15 temp=a;
16 a=b;
17 b=temp;
18 console.log(a);
19 console.log(b);
```

Output:

```
node /tmp/RQwyGRotrF.js
Dynamically typed
Enter the First number :10
Enter the Second number :20
After swapping, a = 20
After swapping, b = 10
Statically Typed
20
10
```