

C exp13macro.c > main()

```
1
2  #include <stdio.h>
3
4  #define ADD(a, b) (a + b)
5  #define SUB(a, b) (a - b)
6  #define MUL(a, b) (a * b)
7  #define DIV(a, b) ((b != 0) ? (a / b) : 0)
8
9  int main() {
10     int x, y;
11
12     printf("Enter two numbers: ");
13     scanf("%d %d", &x, &y);
14
15     printf("Addition = %d\n", ADD(x, y));
16     printf("Subtraction = %d\n", SUB(x, y));
17     printf("Multiplication = %d\n", MUL(x, y));
18     printf("Division = %d\n", DIV(x, y));
19
20     return 0;
21 }
22
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE PORTS

```
PS C:\Users\abiga\OneDrive\Desktop\Absproj> cd "c:\Users\abiga\OneDrive\Desktop\Absproj\" ; i
Enter two numbers: 5 4
Addition = 9
Subtraction = 1
Multiplication = 20
Division = 1
PS C:\Users\abiga\OneDrive\Desktop\Absproj> 
```


Experiment 13 :

Macros in C

```
#include <stdio.h>
#define ADD (a,b) (a+b)
#define SUB (a,b) (a-b)
#define MUL (a,b) (a*b)
#define DIV (a,b) ((b!=0) ? (a/b) : 0)
```

```
int main () {
```

```
    int x, y;
```

```
    printf ("Enter two numbers: ");
```

```
    scanf ("%d %d", &x &y);
```

```
    printf ("Addition = %d\n", ADD (x,y));
```

```
    printf ("Subtraction = %d\n", SUB (x,y));
```

```
    printf ("Multiplication = %d\n", MUL (x,y));
```

```
    printf ("Division = %d\n", DIV (x,y));
```

```
    return 0;
```

```
}
```