

Aim:

Write a program to find the **addition**, **subtraction**, **multiplication** and **division** of two integer variables using **functions**.

At the time of execution, the program should print the message on the console as:

Enter two values :

For example, if the user gives the **input** as:

Enter two values : 23 11

then the program should **print** the result as:

Addition of two values = 34
Subtraction of two values = 12
multiplication of two values = 253
division of two values = 2

Note: Write the functions in **Program701a.c**.

Source Code:

Program701.c

```
#include <stdio.h>
#include "Program701a.c"
void main() {
    int a, b;
    printf("Enter two values : ");
    scanf("%d%d", &a, &b);
    printf("Addition of two values = %d\n", sum(a, b));
    printf("Subtraction of two values = %d\n", sub(a, b));
    printf("multiplication of two values = %d\n", mul(a, b));
    printf("division of two values = %d\n", div(a, b));
}
```

Program701a.c

```
int sum(int x,int y)
{
    return(x+y);
}
int sub(int x,int y)
{
    return(x-y);
}
int mul(int x,int y)
{
    return(x*y);
}
```

```
{  
    return(x/y);  
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter two values : 23 11
Addition of two values = 34
Subtraction of two values = 12
multiplication of two values = 253
division of two values = 2

Test Case - 2
User Output
Enter two values : 55 5
Addition of two values = 60
Subtraction of two values = 50
multiplication of two values = 275
division of two values = 11