Practical 10

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/*

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Practical 10Write a program in C using functions to display

addition, subtraction, multiplication, division of two numbers

*/

#include<stdio.h>

// functions declaration

int add(int n1, int n2);

int subtract(int n1, int n2);

int multiply(int n1, int n2);

int divide(int n1, int n2);

// main function

int main()

{

int num1, num2;

printf("Enter two numbers: ");

scanf("%d %d", &num1, &num2);

printf("addition of %d + %d = %d\n", num1, num2, add(num1, num2));

printf("subtraction of %d - %d = %d\n", num1, num2, subtract(num1, num2));

printf("multiplication of %d * %d = %d\n", num1, num2, multiply(num1, num2));

printf("division of %d / %d = %d\n", num1, num2, divide(num1, num2));

return 0;

}

// function to add two integer numbers

int add(int n1, int n2)
```

```c
{
int result;
result = n1 + n2;
return result;//returning the addition value in the main function
}
// function to subtract two integer numbers
int subtract(int n1, int n2)
{
int result;
result = n1 - n2;
return result;//returning the subtraction value to the main function
}
/* function to multiply two integer numbers*/
int multiply(int n1, int n2)
{
int result;
result = n1 * n2;
return result;//returning the multiplication value to the main function
}
// function to divide two integer numbers
int divide(int n1, int n2)
{
int result;
result = n1 / n2;
return result;//returning the division value to the main function
}
/* Output-Enter two numbers: 84
12
addition of 84 + 12 = 96
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subtraction of 84 - 12 = 72

multiplication of 84 * 12 = 1008

division of 84 / 12 = 7

Process exited after 11.36 seconds with return value 0

Press any key to continue . . .*/