

1- C Program to print "Hello World"

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    printf("Hello world!\n");
    return 0;
}
```

2- C Program to print ASCII number of a given char

```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    //printf("Hello world!\n");
    char x;
    printf("Enter char: ");
    scanf("%c", &x);
    printf("the ASCII code for char %c is %d", x, x);
    return 0;
}
```

Enter char: A
the ASCII code for char A is 65

Process returned 0 (0x0) execution time : 10.172 s

3- C Program to print a float number entered by the user

```
#include <stdio.h>
#include <stdlib.h>

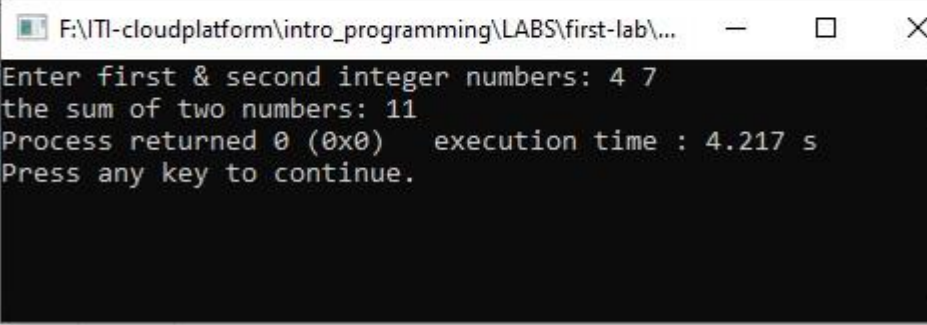
int main()
{
    //printf("Hello world!\n");
    float x;
    scanf("%f", &x);
    printf("the float number you enter is : %f ", x);
    return 0;
}
```

10.2
the float number you enter is : 10.200000
Process returned 0 (0x0) execution time : 20.623 s
Press any key to continue.

4- C Program to add two integers

```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    //printf("Hello world!\n");
    int x,y;
    printf("Enter first & second integer numbers: ");
    scanf("%d %d",&x,&y);
    printf("the sum of two numbers: %d",x+y);
    return 0;
}
```

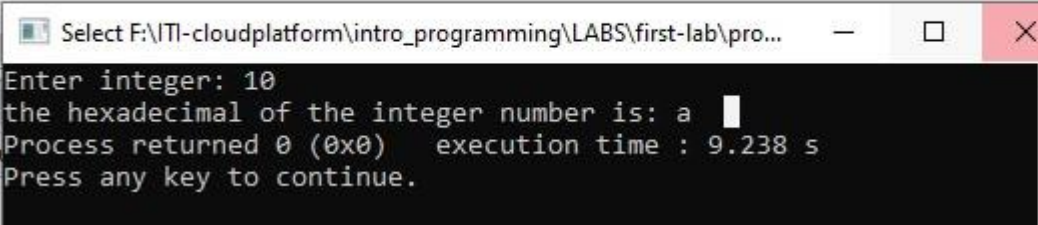


Enter first & second integer numbers: 4 7
the sum of two numbers: 11
Process returned 0 (0x0) execution time : 4.217 s
Press any key to continue.

5- C Program to print Hexa of a number

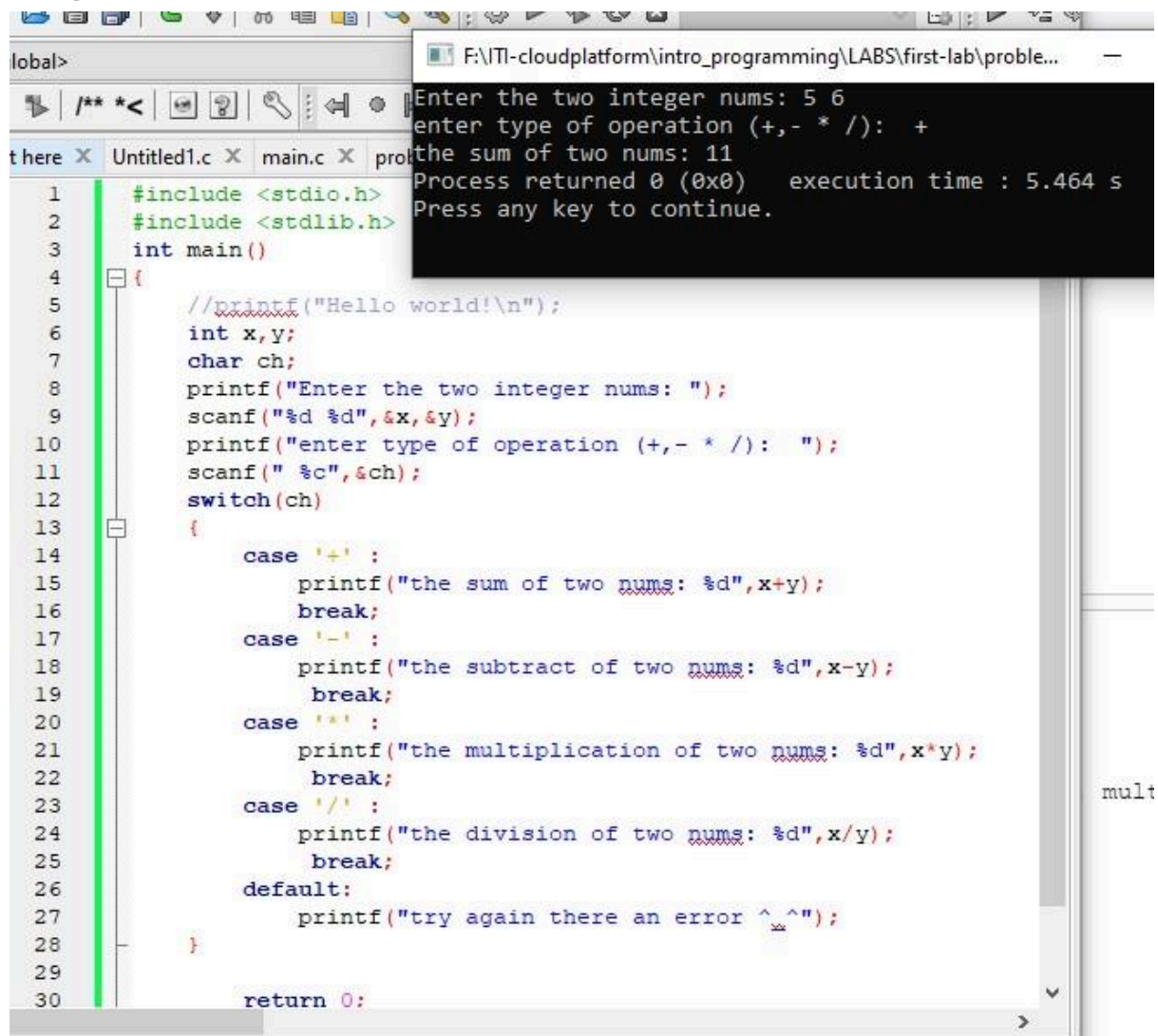
```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    //printf("Hello world!\n");
    int x;
    printf("Enter integer: ");
    scanf("%d",&x);
    printf("the hexadecimal of the integer number is: %x",x);
    return 0;
}
```



Enter integer: 10
the hexadecimal of the integer number is: a
Process returned 0 (0x0) execution time : 9.238 s
Press any key to continue.

6 - C Program to make simple calculations (add, sub, multiply, divid) on two integers



The screenshot shows a code editor with a file named 'main.c' open. The code is a C program that takes two integers and an operator as input and performs a calculation. A terminal window is overlaid on the code, showing the program's execution. The terminal output is as follows:

```
Enter the two integer nums: 5 6
enter type of operation (+, - * /): +
the sum of two nums: 11
Process returned 0 (0x0)   execution time : 5.464 s
Press any key to continue.
```

The code in the editor is as follows:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  int main()
4  {
5      //printf("Hello world!\n");
6      int x,y;
7      char ch;
8      printf("Enter the two integer nums: ");
9      scanf("%d %d",&x,&y);
10     printf("enter type of operation (+, - * /): ");
11     scanf(" %c",&ch);
12     switch(ch)
13     {
14         case '+':
15             printf("the sum of two nums: %d",x+y);
16             break;
17         case '-':
18             printf("the subtract of two nums: %d",x-y);
19             break;
20         case '*':
21             printf("the multiplication of two nums: %d",x*y);
22             break;
23         case '/':
24             printf("the division of two nums: %d",x/y);
25             break;
26         default:
27             printf("try again there an error ^_^");
28     }
29
30     return 0;
```

7- C Program to compute Quotient and Remainder