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/*-----DOCUMENTATION SECTION-----*/  
/*
```

In this section we will discuss about the basic things of the c program.

function: function is a set of instruction in which mutiple line of statement(instruction) are defined.

these instruction can be executed by calling the function by it's name.

global declaration area: it is the area (memory area) outside the every function including main funtion

in which we declare those variable or function, that can be accessed by any function.

int: it is a keyword used to store the integer type values (whole numbers).

float: it is a keyword used to store the decimal type values (deciaml values like 1.24, 3.14).

char: it is keyword used to store the character value in a variable.

const: it is a keyword used to define a variable as constant variable, that can be initialized only once.

const variable value cannot be changed.

void: void is used to define the return type of the function.

return type: if a function return a something to the caller function then the value must be return in

specified data type, that type is called return type.

printf: this function is only used to print/display a message or data to console screen.

To display/print the particular kind of data it need a format specifier for that kind of data type.

scanf: this function is only used to read input data from the user.

To read a particular kind of data it need a format specifier for that kind of data type.

Format Specifier:

format specifier is used to define that what kind of data will be

printed on the console and scanned
from the user.

used specifier:-

%c -- to print or scan character type value.
%d -- to print or scan integer type value.

```
*/

#include <stdio.h>

int main(){

    // initialization: if a variable is assigned some value at the declaration time
    then it calls initialization of
    // the variable.

    int a = 0; // initialization variable a as 0
    int b = 0; // initialization variable b as 0

    printf("Enter the first value: "); // Only printing the message
    scanf("%d", &a); // reading or scanning the input from user.
    // scanf will read the integer as input since %d is used.

    printf("Enter the second value: "); // Only printing the message
    scanf("%d", &b); // reading or scanning the input from user.
    // scanf will read the integer as input since %d is used.

    /*
        1. Now we will show the result only.
        2. Since result will be as integer data type.
        3. To show the integer type result we will use %d in the printf function.
    */
    printf("\nResult: %d", a+b);
    // int a = 0;

}
```