

RED & WHITE[®]

Multimedia Education

Shaping "skills" for "scaling" higher...!!!

WELCOME, PROGRAMMERS





FIRST PROGRAM

Let's discover our first C
language program



01.

Basic Structure

BASIC STRUCTURE OF C LANG?





BASIC STRUCTURE OF C LANGUAGE



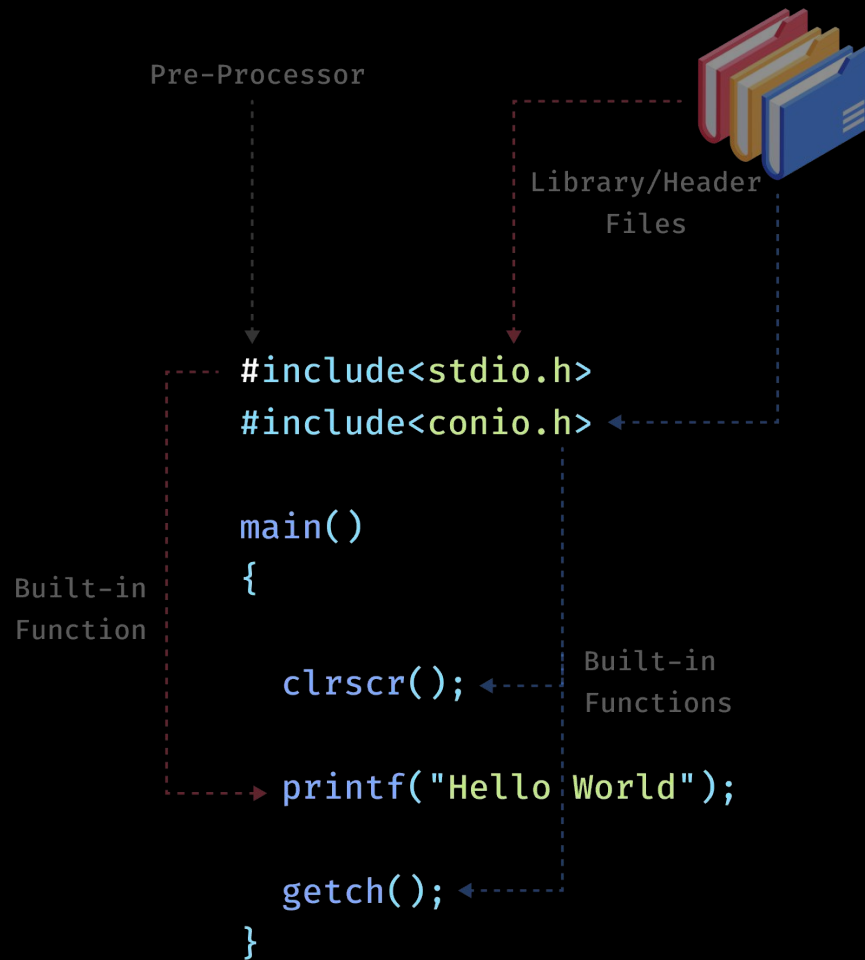
```
#include<stdio.h>
#include<conio.h>
```

```
main( )
{
    clrscr();

    printf("Hello World");

    getch( );
}
```

Let's break down All parts of program...



LIBRARY FILES

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

```
main()
{
    clrscr();

    printf("Hello World");

    getch();
}
```

#include<stdio.h>

Standard input output
header file

From this library, **printf()** function is imported.

Means **compiler finds meaning** of printf() function from this **stdio.h** file.



LIBRARY FILES

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

main()
{
    clrscr();

    printf("Hello World");

    getch();
}
```

`#include<conio.h>`

Console input output
header file

From this library, **clrscr()** & **getch()** functions are imported.

Means **compiler finds meaning** of **clrscr()** & **getch()** functions from this **conio.h** file.



But, did you notice # symbol?

PRE-PROCESSOR

is called as Pre-processor.

#

This **tells the compiler** that first pre-process (executes) the **process of importing a library/header file.**

For example,

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

```
#include<conio.h>
```

FUNCTIONS



1

main()

Entry-point of our program.

clrscr()

Clears the output screen.

2

3

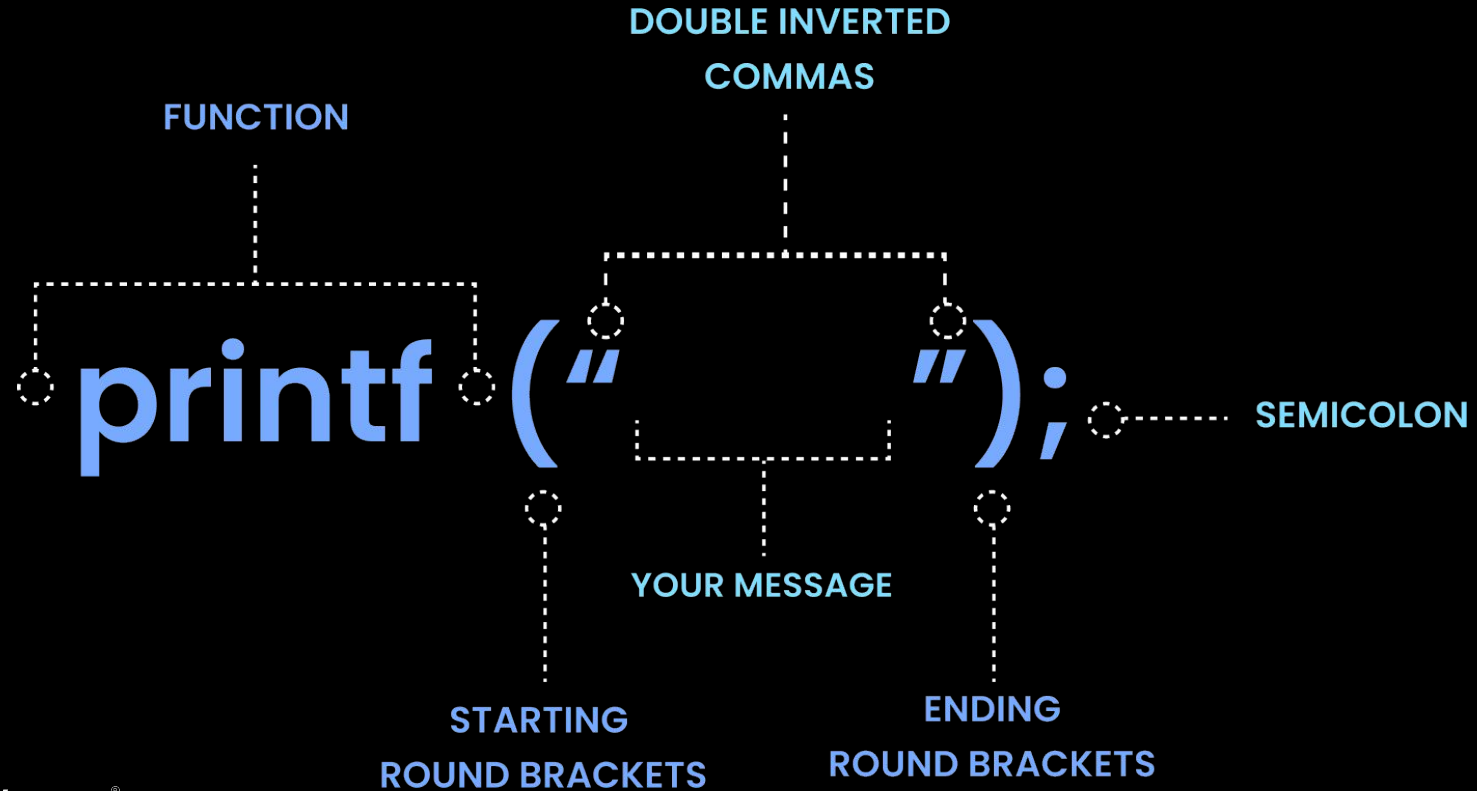
printf()

Prints any message in output screen.

getch()

Takes user input and then close the output screen.

4





02

ESCAPE SEQUENCE CHARACTERS



INTRODUCTION

An escape sequence contains a **backslash** (\) symbol followed by one of the escape sequence characters.

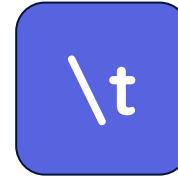


ESCAPE SEQUENCE CHARACTERS



NEW-LINE

This character enters the cursor into new line.



HORIZONTAL-SPACE / TAB

This character leaves total 8 spaces from the beginning of character.



BACKSLASH

`\n`

SPECIAL
CHARACTER

ESCAPE
SEQUENCE
CHARACTER

FUNCTION

`printf` (

STARTING
ROUND BRACKETS

YOUR MESSAGE

DOUBLE INVERTED
COMMAS

ESCAPE
SEQUENCE
CHARACTER

`\n`

ENDING
ROUND BRACKETS

SEMICOLON

`);`



BACKSLASH

\t

SPECIAL
CHARACTER

ESCAPE
SEQUENCE
CHARACTER

FUNCTION

printf ("

STARTING
ROUND BRACKETS

YOUR MESSAGE

DOUBLE INVERTED
COMMAS

ESCAPE
SEQUENCE
CHARACTER

\t"

ENDING
ROUND BRACKETS

SEMICOLON

);





LET'S CODE

