

Introduction to c programming

II C is a general-purpose, high-level language

Developed by Dennis M. Ritchie to develop
the UNIX operating system at Bell Labs

3 C is a sucessor of B Language which was introduced a round the early 1907s.

HC was originally Rirst implemented on the DEC PDP-11 in 1972.

In 1978, Brain Kernighen and Dennis Ritchie produced

The Lirst publicly available description of C > Known as

The K8R Standered [2011] Ministry Winds Williams (1989) 100 Pennis Ritchie produced

1 The Language was Formalized in 1988 by the American National standard Institute (ANSI)

7 C has now become a widely used professional Language for various reasons:

- · Easy to Learn
- · Structed Language ---->
- · it produces efficient programs
- . It can handle Low activities
- · it can compiled on variety of computer platforms

main Program J

Projectil Jost igles

Functions 11 in Tesasso is is le

Function 1 Function 2

Function 3 | Function 4 | Function 5

C programming standards

Year	1972	1978	1989-	1999	2011	2017-
Jes	. 3.,		1990	, 555		2017-
C	Birth	K&RC	ANSIC	C99	c11	c 18
standard		·	ANSIC and 150 C			
SILVIVATO						

Steps to write C program:

Translates your program
into binary stream
of 1s and 0s which computer
understands

Steps to write c program

O create a program

2 compile program

3 Run program

* A compiler is a tool for transforming the code into a Low Level machine language code, The one That a machine can understand

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IDE "Integrated Development Environment"

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program structure

```
Global Decleration Section Start
     // variables:
    // prototypes: 7
                         function 11 inju
    void file();
                        main function 1 ije
     int main()
        return 0;
                  ٠٠٠٠٠ Sub-Program Section Start ٠٠٠٠٠
                             Functions 1 215 sie
    void file()
                     محمد Sub-Program Section End محمد
                  histroy log
     MohamedHelmy
File JIAI Lailto
```

#include <stdio.h>

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