C PROGRAMMING LANGUAGE

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Bscs - II

C PROGRAMMING LANGUAGE

- C IS A HIGH-LEVEL AND GENERAL-PURPOSE PROGRAMMING LANGUAGE THAT IS IDEAL FOR DEVELOPING FIRMWARE OR PORTABLE APPLICATIONS. ORIGINALLY INTENDED FOR WRITING SYSTEM SOFTWARE, C WAS DEVELOPED AT BELL LABS BY DENNIS RITCHIE FOR THE UNIX OPERATING SYSTEM (OS) IN THE EARLY 1970S.

- ONE OF THE MOST POPULAR PROGRAMMING LANGUAGES OF ALL TIME.

WHAT'S THE DIFFERENCE BETWEEN C AND C++?

- THE MAJOR DIFFERENCE BETWEEN C AND C++ IS THAT C IS A PROCEDURAL PROGRAMMING LANGUAGE AND DOES NOT SUPPORT CLASSES AND OBJECTS, WHILE C++ IS A COMBINATION OF BOTH PROCEDURAL AND OBJECT ORIENTED PROGRAMMING LANGUAGE; THEREFORE C++ CAN BE CALLED A HYBRID LANGUAGE.

File   Edit   View   Search   Project   Build   Debug   Fortran   wxSmith   Tools   Tools+   Plugins   DoxyBlocks   Settings   Help

Debug

<global>

*main.c

```c
1       #include <stdio.h>
2       #include <stdlib.h>
3
4       int main()
5       {
6           printf("Hello world!\n");
7           return 0;
8       }
9
```

Management

Projects   Symbols   Files

Workspace
  C_1stprogram
    Sources
      main.c

Logs & others

Code::Blocks   Search results   Cccc   **Build log**   Build messages   CppCheck   CppCheck messages   Cscope   Debugger   DoxyBlo

```
-------------- Run: Debug in C_1stprogram (compiler: GNU GCC Compiler)---------------

Checking for existence: D:\C_projects\C_1stprogram\bin\Debug\C_1stprogram.exe
Executing: "C:\Program Files (x86)\CodeBlocks/cb_console_runner.exe" "D:\C_projects\C_1stprogram\bin\Debug\C_1stprogram.exe"   (in D:\C_projects\C_1stprogram\.)
Process terminated with status -1073741510 (3 minute(s), 39 second(s))
```

D:\C_projects\C_1stprogram\main.c   Windows (CR+LF)   WINDOWS-1252   Line 9, Column 1   Insert   Modified   Read/Write   default   off