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Setup Debuging for C Language (MAC)

topic

- variable
- data type
- condition
- loop
- string
- array

อ้างอิง : https://code.visualstudio.com/docs/cpp/config-clang-mac

launch.json

```
{
 "version": "0.2.0",
 "configurations": [
      "name": "C++ Launch (LLDB)",
      "type": "cppdbg",
      "request": "launch",
      "program": "${fileDirname}/${fileBasenameNoExtension}",
      "args": [],
      "stopAtEntry": true, // แก้เป็น true ถ้าต้องการให้หยุดที่ main
      "cwd": "${fileDirname}",
      "environment": [],
      "externalConsole": false,
      "MIMode": "lldb", // window is gbd, mac is lldb
      "preLaunchTask": "C/C++: gcc build active file"
    }
 ]
}
```

tasks.json

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```
"group": {
    "kind": "build",
    "isDefault": true
    },
    "problemMatcher": ["$gcc"],
    "detail": "Generated task by Debugger."
    }
]
```

Format String in C

อ้างอิง : https://www.geeksforgeeks.org/format-specifiers-in-c/

Format Specifier	Description
Juicy Apples	1.99
%c	For character type
%d	For signed integer type.
%e or %E	For scientific notation of floats.
%f	For float type.
%g or %G	For float type with the current precision.
%i	Unsigned integer
%ld or %li	Long
%If	Double
%Lf	Long double
%lu	Unsigned int or unsigned long
%lli or %lld	Long long
%llu	Unsigned long long
%o	Octal representation
%p	Pointer
%s	String
%u	Unsigned int
%x or %X	Hexadecimal representation
%n	Prints nothing
%%	Prints % character