hello-world

get assembler output from c source in gcc

- stackoverflow
- hello asm
- gcc and objdump

1. Experiment 1

```
# create assembler code:
$ g++ -S -fverbose-asm -g -O2 hello.cc -o hello.s
# create asm interlaced with source lines:
$ as -alhnd hello.s > hello.lst

$ gcc hello.s -o hello
$ ./hello
Hello, World!
```

2. Experiment 2

file.c

```
#include <stdio.h>

int main(int argc, char** argv){
  printf("Hello World\n");
  return 0;
}
```

Commands

```
$ gcc file.c -S -o file.S
$ gcc file.S -o hello2
$ ./hello2
```

```
Hello World
```

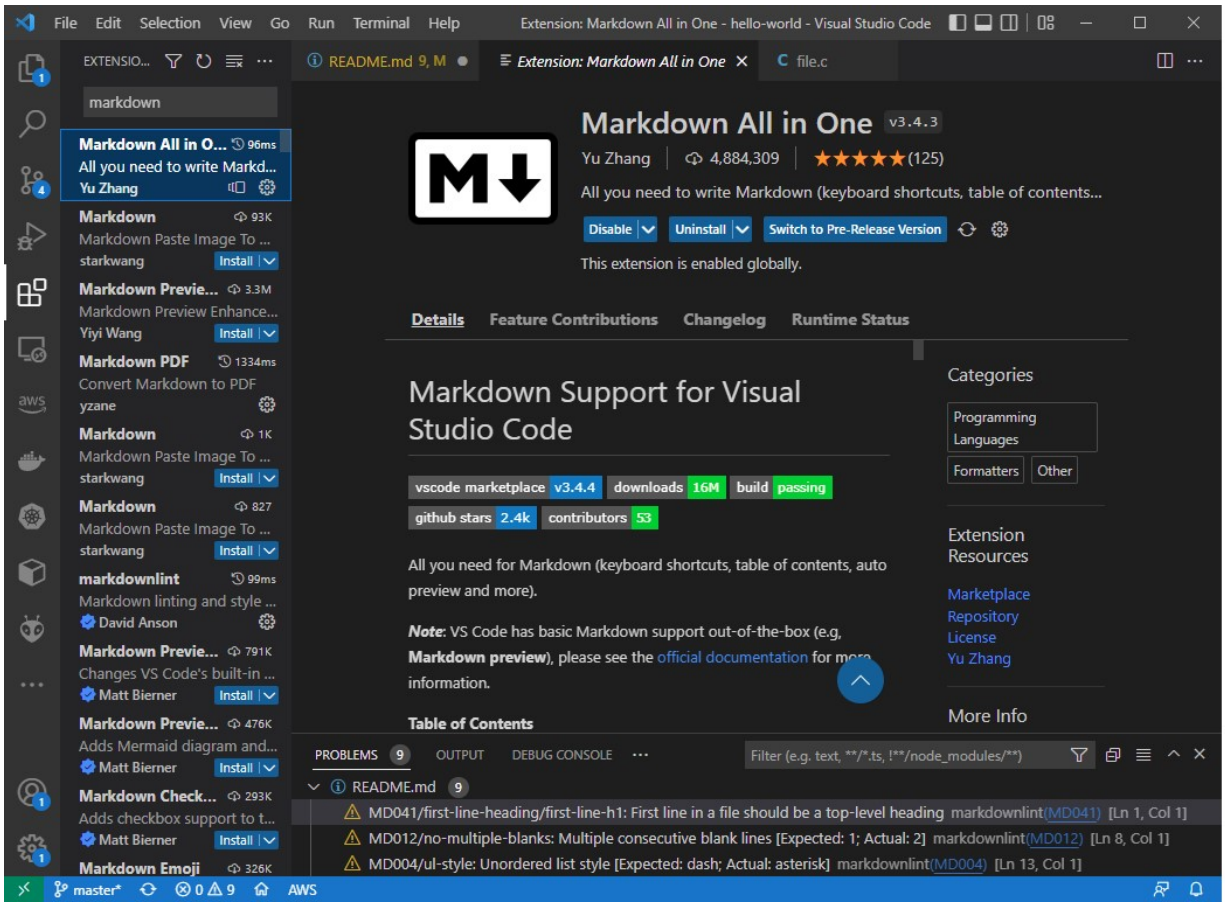
3. Disassembly

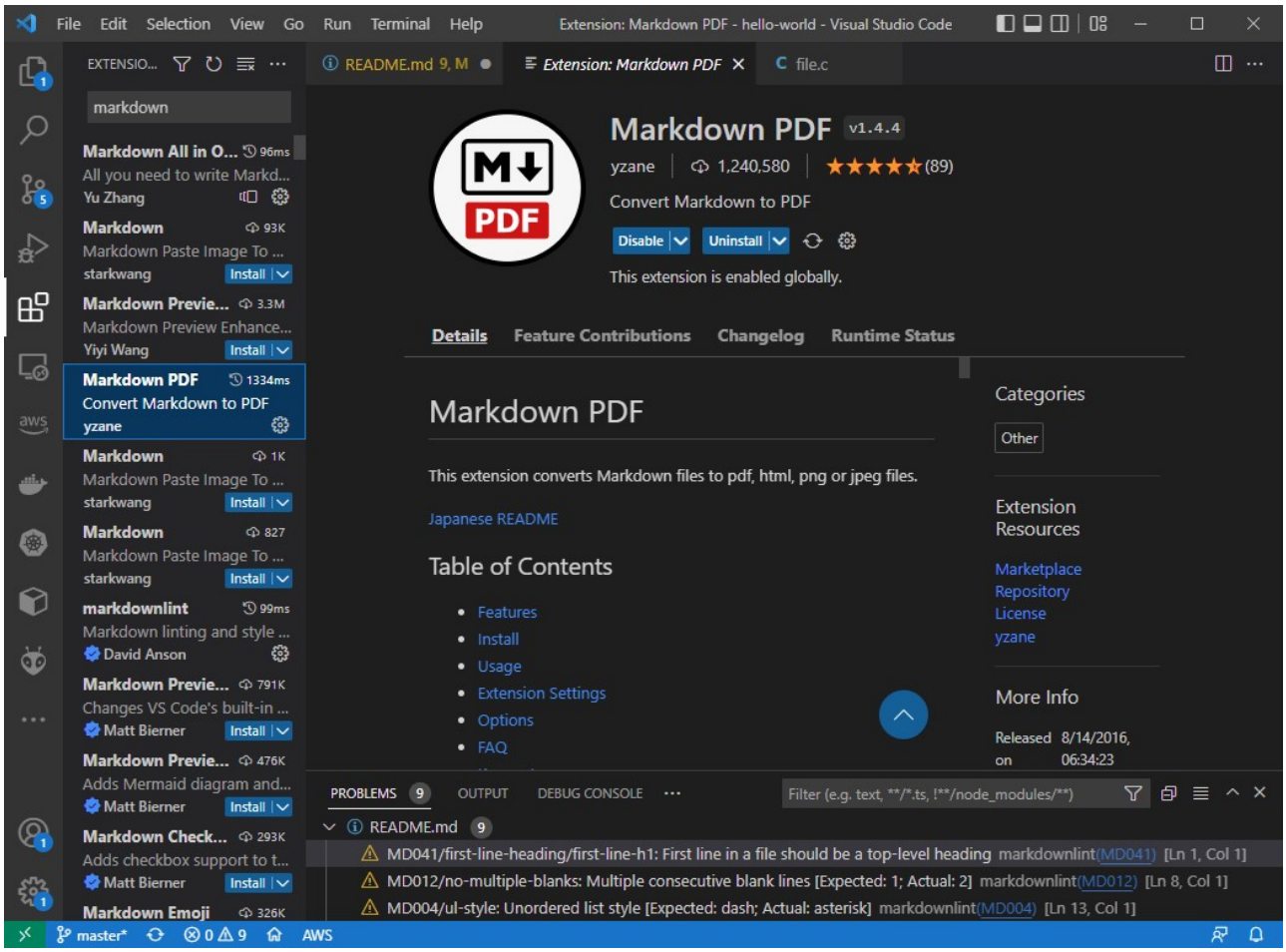
```
$ objdump --disassemble-all --section=.rdata -M intel hello2.exe > hello-disasm_01.s

$ objdump -d -M intel -S hello2.exe > hello-disasm_02.s
```

Handling *markdown* article

VSCode extensions:

- 



- Press `Ctl-Shift-P` to show the **Command Palette**.