프로그램 컴파일링

2025.08.28

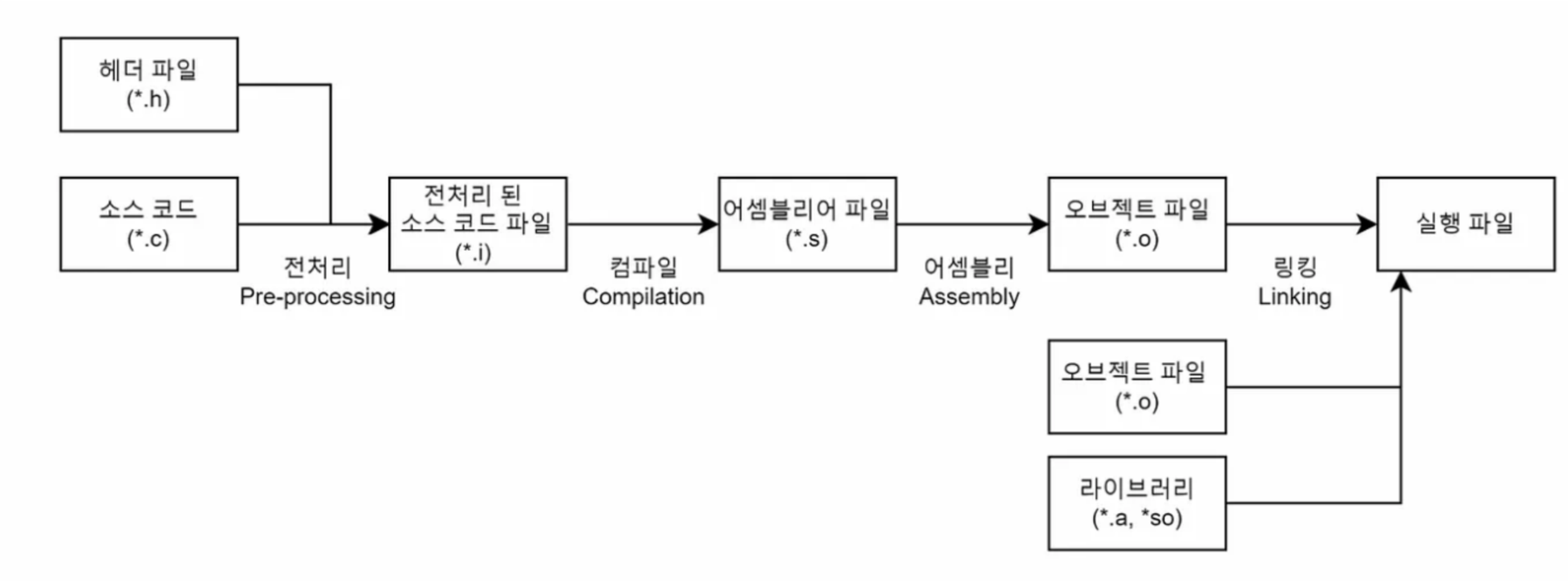
Contents

프로그램 컴파일링

컴파일이란?

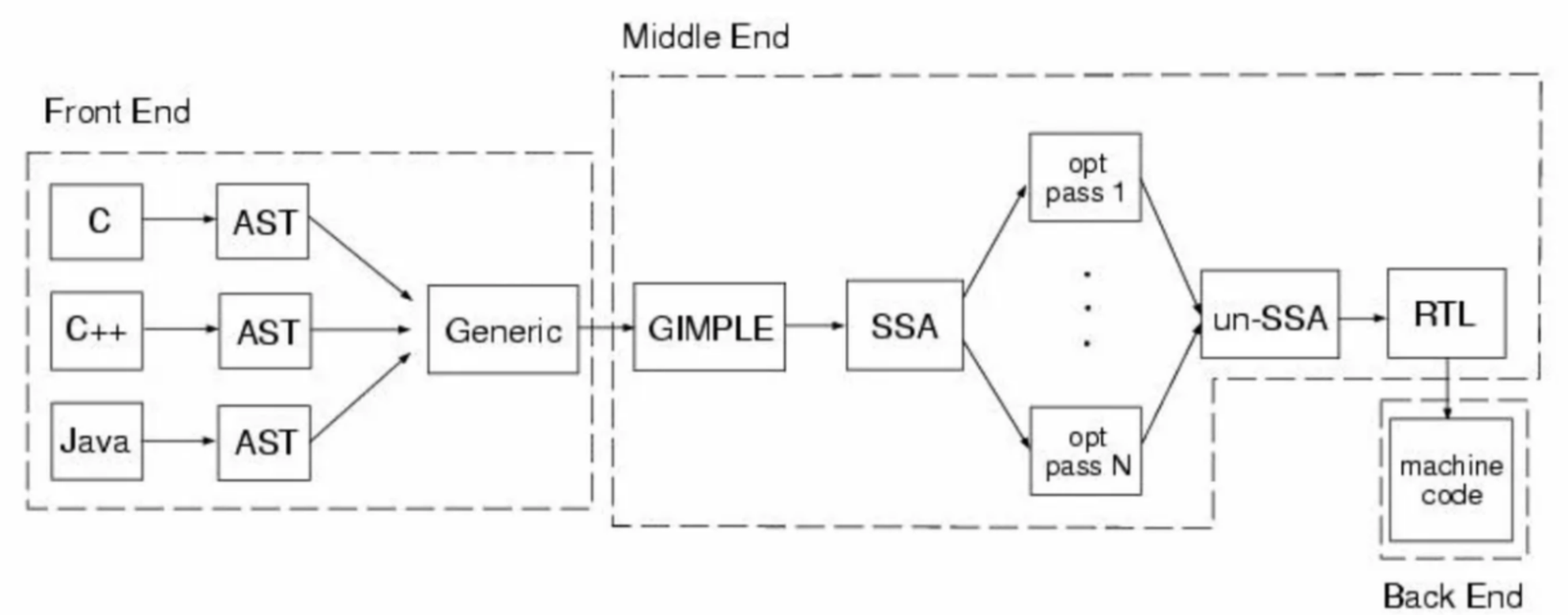
프로그램 컴파일링

컴파일 과정



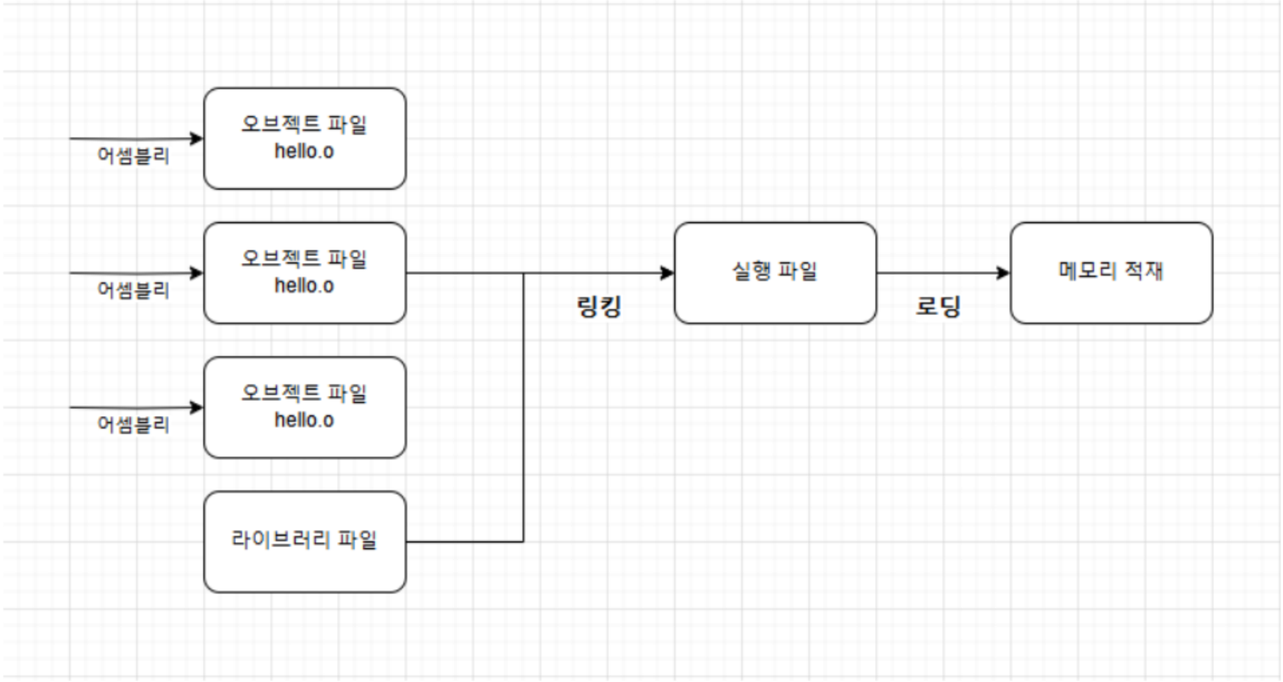
프로그램 컴파일링

컴파일 과정



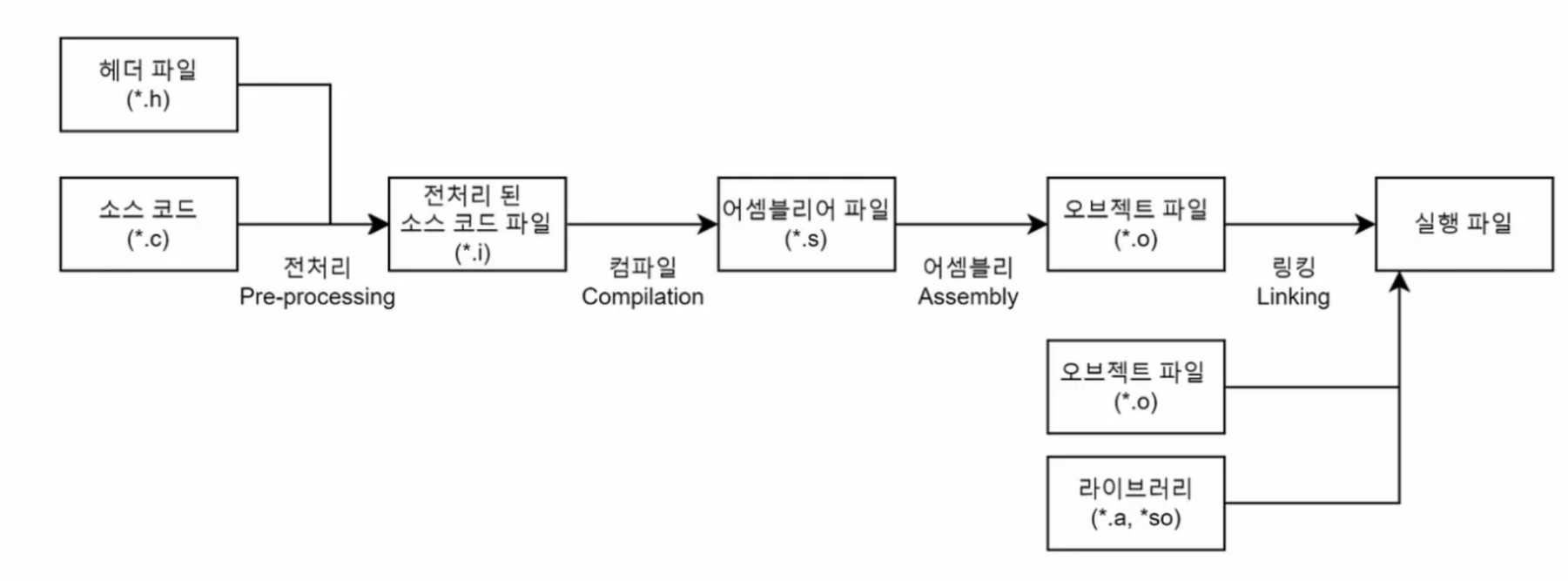
프로그램 컴파일링

링커와 로더



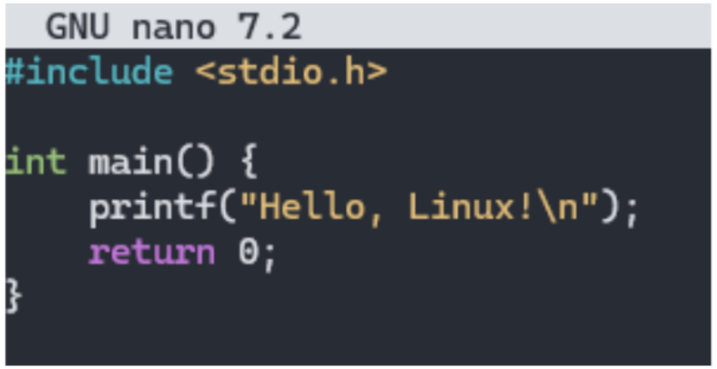
각 언어간 컴파일링 차이

C언어

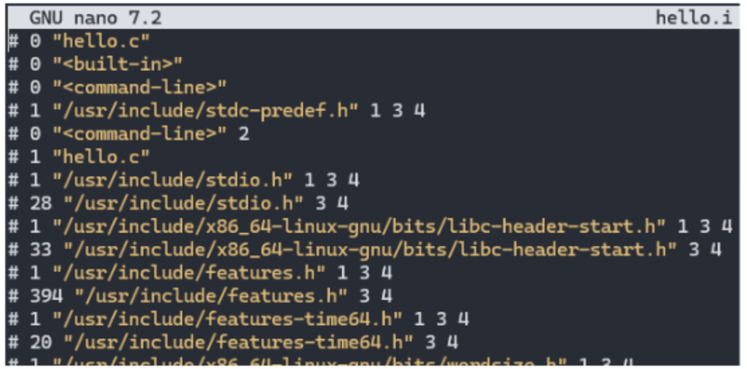


각 언어간 컴파일링 차이

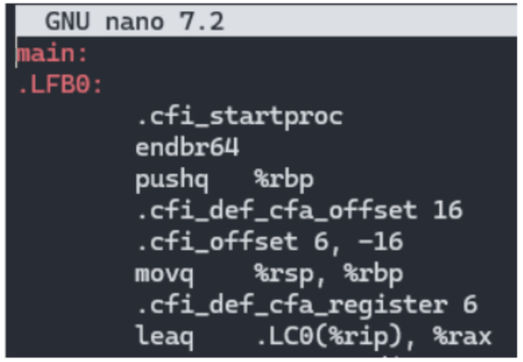
C언어



hello.c



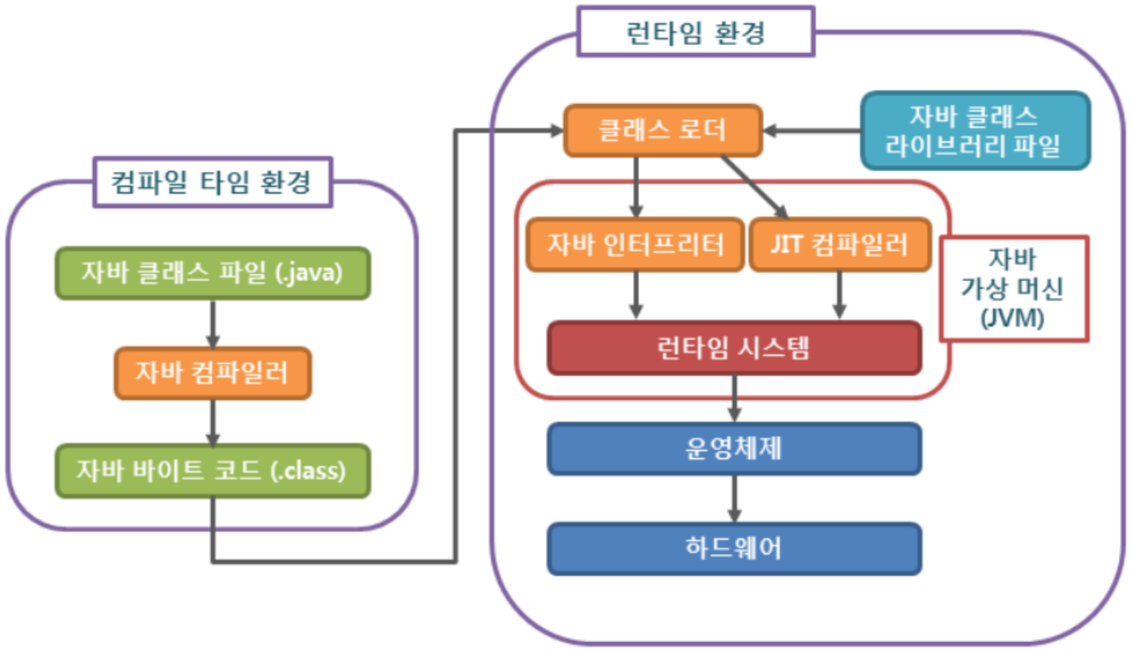
hello.i



hello.s

각 언어간 컴파일링 차이

Java



JIT?

인터프리터?

각 언어간 컴파일링 차이

Java

```
  GNU nano 7.2
public class hello {
    public static void main(String[] args) {
        System.out.println("Hello, Java!");
    }
}
```

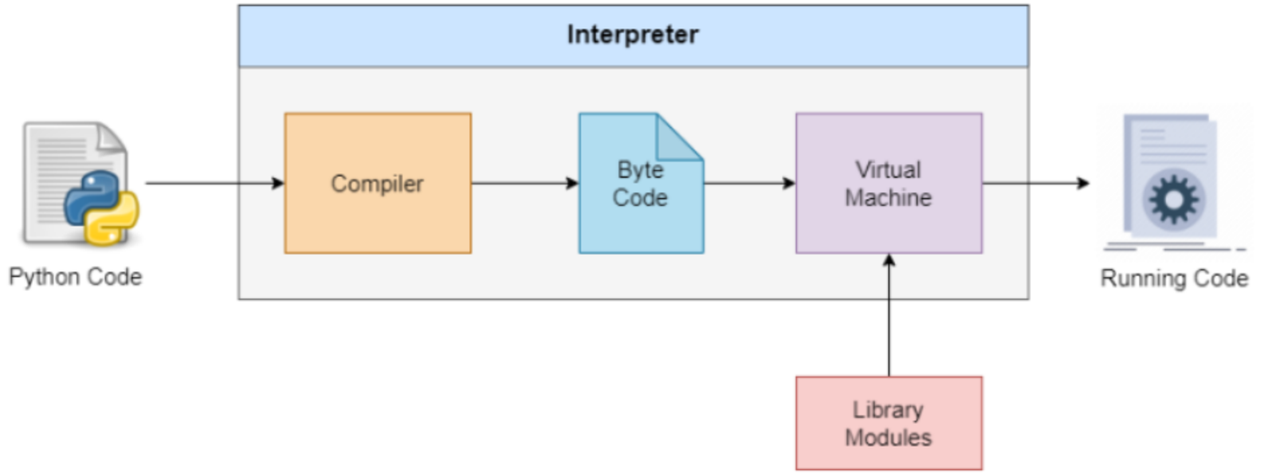
hello.java

```
  GNU nano 7.2
◆◆◆◆^@^@^@A^@^]
^@^B^@^C^G^@^D^L^@^E^@^F^A^@^Pjava/lang/Object^A^@^F<i
^L^@^K^@^L^A^@^Pjava/lang/System^A^@^Cout^A^@^ULjava/i
^@^P^@^Q^G^@^R^L^@^S^@^T^A^@^Sjava/io/PrintStream^A^@^
SourceFile^A^@
hello.java^@!^@^U^@^B^@^@^@^@^@^B^@^A^@^E^@^F^@^A^@^W^
^@^B^@^@^@^C^@^H^@^D^@^A^@^[^@^@^@^B^@^\
```

hello.class

각 언어간 컴파일링 차이

Python



각 언어간 컴파일링 차이

Python

```
 GNU nano 7.2
def greet():
    print("Hello Python!")

if __name__ == "__main__":
    greet()
```

hello.py

```
 GNU nano 7.2
◆


^@^@^@^@q◆hP^@^@^@◆^@^@^@^@^@^@^@^@^@^@^@
Hello Python!)^A◆^Eprint◆^@◆^@^@^@^@◆^Hhe
^@^@^@◆^@◆^D    ◆/◆^D^Zr^E^@^@^@◆^H__main
^@^@^@^A^@^@^@s^^^@^@^@◆^C^A^A^A◆^B^A^A^[
```

hello.pyc

Q&A