

Console applications

```

1 #include <iostream>
2
3 int main(){
4     std::cout << "Hello World!" << std::endl;
5 }
6
7 return 0;
8
9

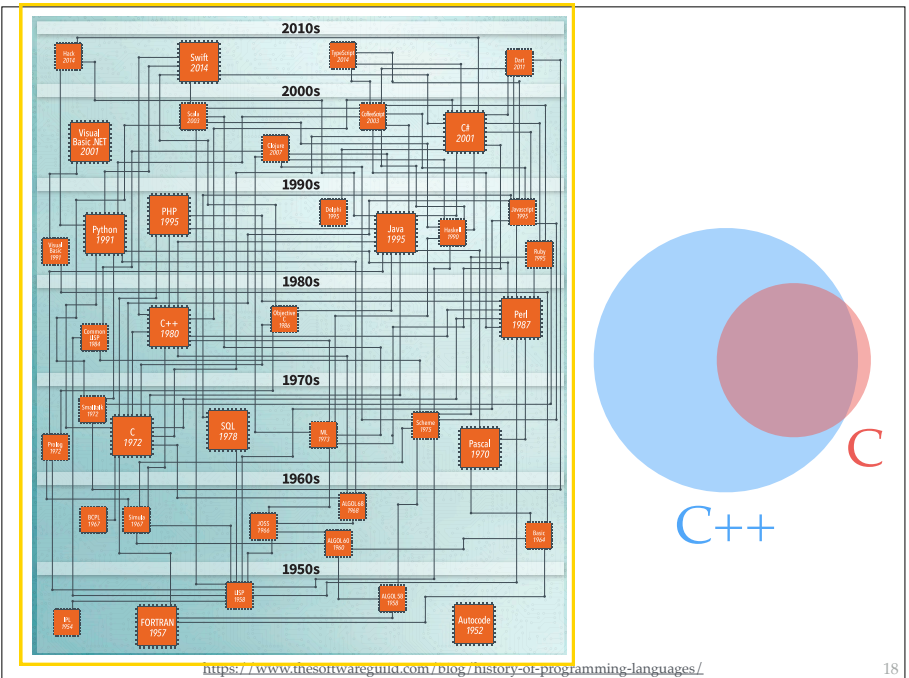
```

```

$ ls
hello.cpp
$ g++ hello.cpp -o hello
$ ./hello
Hello World!

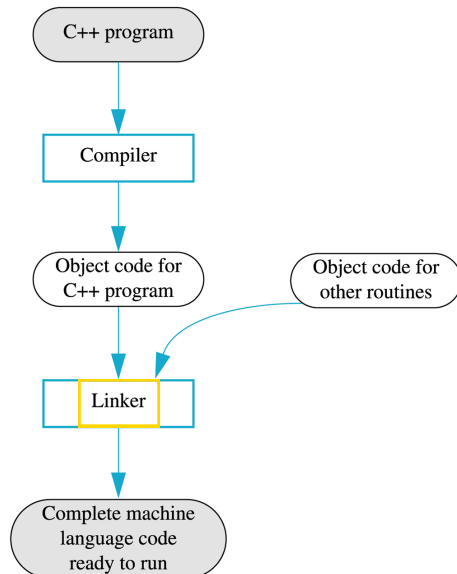
```

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Preparing a C++ Program for Running

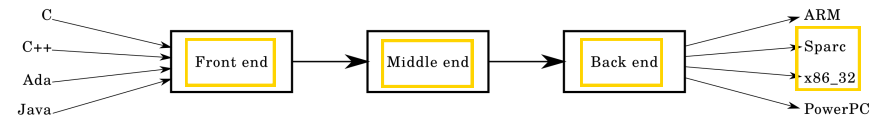


from: Problem Solving with C++, 10th Edition, Walter Savitch

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Compilers

- A computer program that ...
 - ✓ translates source code from one programming language to another (usually from high-level to low-level languages)
 - ✓ performs code optimizations
 - ✓ provides error checking



Correctness is paramount. Compilers cannot afford to fail.

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