



# Maximal Slides

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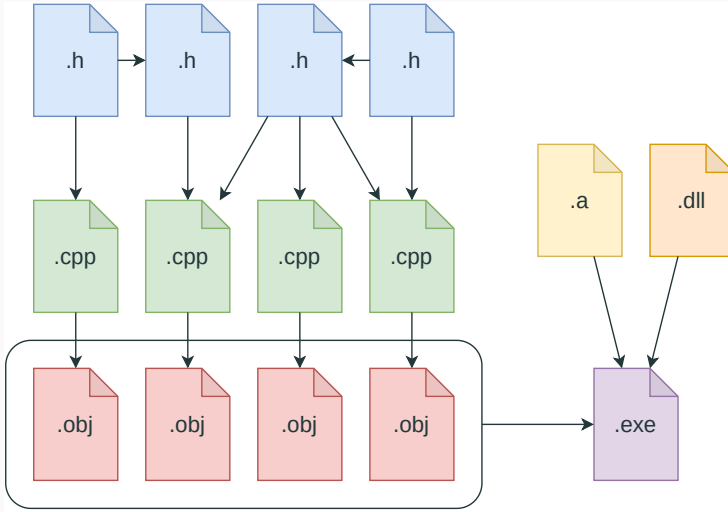
## Java

- kompiliert zu Bytecode
- Multipass Compiler
- Optimierungen zur Runtime
- Linking zur Runtime

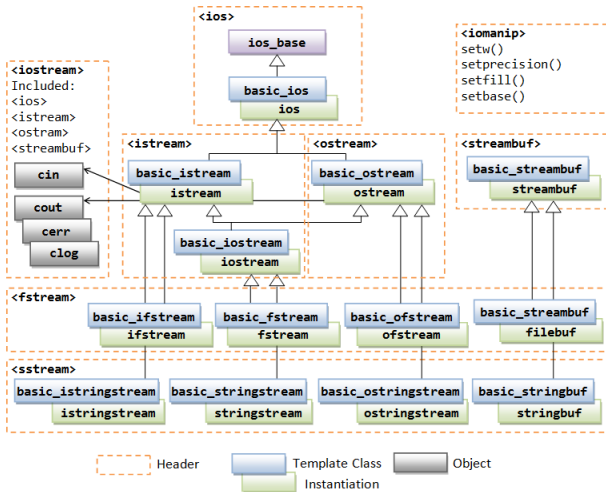
## C/C++

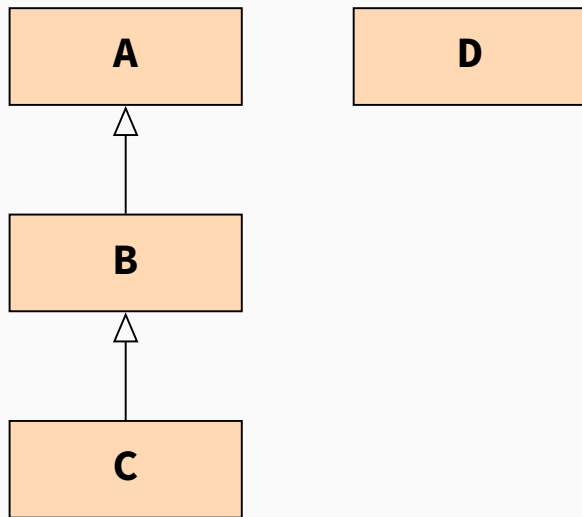
- kompiliert zu Objectcode
- Onepass Compiler Design (In Realität aber Multipass)
- Optimierungen zur Compiletime
- Linking zur Compile- oder Runtime

# Image drawio



# Image direct





- Lorem

## Links

- [An Introduction to Modern CMake](#)
- [Effective Modern CMake](#)
- [C++Now 2017: Daniel Pfeifer - Effective CMake](#)

## Inline code

```
1  cmake_minimum_required(VERSION 3.10)
2  project(example)
3
4  # collect sources
5  file(GLOB_RECURSE src src/*.cpp)
6
7  # main app target
8  add_executable(example_app ${src})
9  target_link_libraries(example_app
10     PRIVATE pthread)
11
12  # define compile flags (warnings are fatal / add more checks)
13  set(cxxflags -Werror -Wall -Wextra -Wconversion -Wpedantic)
14
15  # set compiler flags
16  target_compile_options(example_app PRIVATE ${cxxflags})
```



Die Multiplikation zweier Matrizen  $A$  und  $B$ ,  $R = A \times B$  ist wie folgt definiert:

$r_{i,j} = \sum_{k=1}^v a_{i,k} b_{k,j}$ , wobei  $A$  eine  $u \times v$ ,  $B$  eine  $v \times w$  und  $R$  eine  $u \times w$  Matrix sind.

Zum Beispiel:

$$\begin{pmatrix} a_{0,0} & a_{0,1} & a_{0,2} \\ a_{1,0} & a_{1,1} & a_{1,2} \end{pmatrix} \times \begin{pmatrix} b_{0,0} \\ b_{1,0} \\ b_{2,0} \end{pmatrix} = \begin{pmatrix} a_{0,0} \times b_{0,0} + a_{0,1} \times b_{1,0} + a_{0,2} \times b_{2,0} \\ a_{1,0} \times b_{0,0} + a_{1,1} \times b_{1,0} + a_{1,2} \times b_{2,0} \end{pmatrix} = \begin{pmatrix} r_{0,0} \\ r_{1,0} \end{pmatrix}$$