

FH Joanneum (Embedded Computing): WS2022/2023 (Yes/No Questions)

Cross Development

Question	Yes	No
The sysroot for the target system contains the cross compiler (an executable that runs on PC/Intel usually, and produces code that runs on the target architecture)		
The header files for the target are usually found in the sysroot		
The libraries that the sysroot contains contain code compiled for the target architecture		
The libraries that the sysroot contains contain code compiled for the architecture that the cross compiler runs on (usually PC/Intel)		
A cross compiler runs on the target and produces code for the host system		
A cross compiler requires the host's header files to produce code for the target architecture		
The executables produced by the cross toolchain may run on the host only if the host architecture matches the target architecture		
A cross-linker combines target object code to build target executables		

C++, OO

Question	Yes	No
C pointer arithmetic is the mother of C++ container classes management		
<code>std::sort</code> can operate on just a <code>std::vector</code> and a bare C array		

std::binary_search requires its range to be sorted		
std::find_if requires its range to be sorted		
std::set maps keys to values		
std::set is a sequential data structure		
std::map is a sequential data structure		
std::vector is a sequential data structure		