

06-Program

Introduction

Knowing what a program is and what file types can be executed on an OS and on a computer with no OS is important to understand how a program can be developed, built and executed.

It is not possible (right now) to execute a Java program on an Arduino even if we can compile it to a binary (as opposed to the normal Java byte code). Why is that?

Purpose

The purpose of this presentation is to give the student a clearer picture of how programs, processes, source code relate to each other.

Requirements

OS filetype

Videos

- Computer/Program/program-small.webm

Reading instructions

Wikipedia links:

- <https://en.wikipedia.org/wiki/Program> (introduction)
- https://en.wikipedia.org/wiki/Virtual_machine (introduction)

Goal

The student shall have a better understanding of how programs and processes relate to source code, os and files.

Exam instructions

Not examined.