C Programming 2 0 Introduction

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백 윤 철

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강의개요



강의,실습3시간

월 화



실습 프로젝트 과제



평가

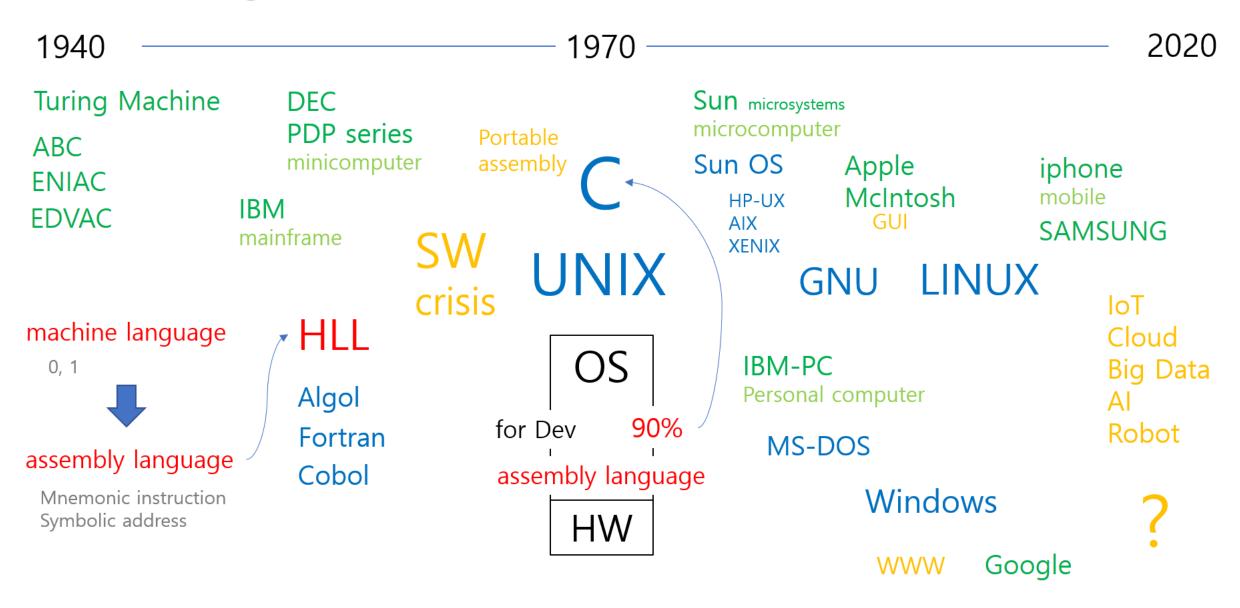
중간 30%

기말 35%

과제 10%, 프로젝트 20%

출석 기타 5% (1/4 결석-> F)

Computing Era



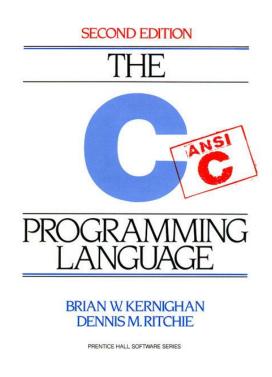
What is C and Why?

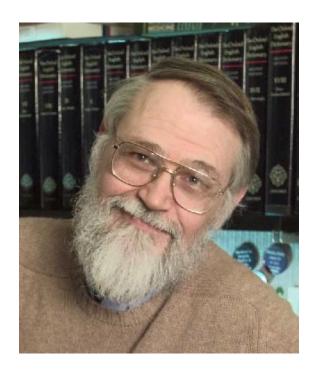
- http://en.wikipedia.org/wiki/C_programming
 - In <u>computing</u>, C is a general-purpose, <u>block structured</u>, <u>procedural</u>, <u>imperative</u> computer <u>programming language</u> developed in <u>1972</u> by <u>Dennis Ritchie</u> at the <u>Bell Telephone Laboratories</u> for use with the <u>Unix operating system</u>.[2]
 - Although C was designed for implementing <u>system software</u>,[3] it is also widely used for developing <u>application software</u>.
 - It is widely used on a great many different <u>software platforms</u> and <u>computer architectures</u>, and several popular <u>compilers</u> exist. C has greatly influenced many other popular programming languages, most notably <u>C++</u>, which originally began as an extension to C.

Textbook

• The C Programming Language, 2nd Ed



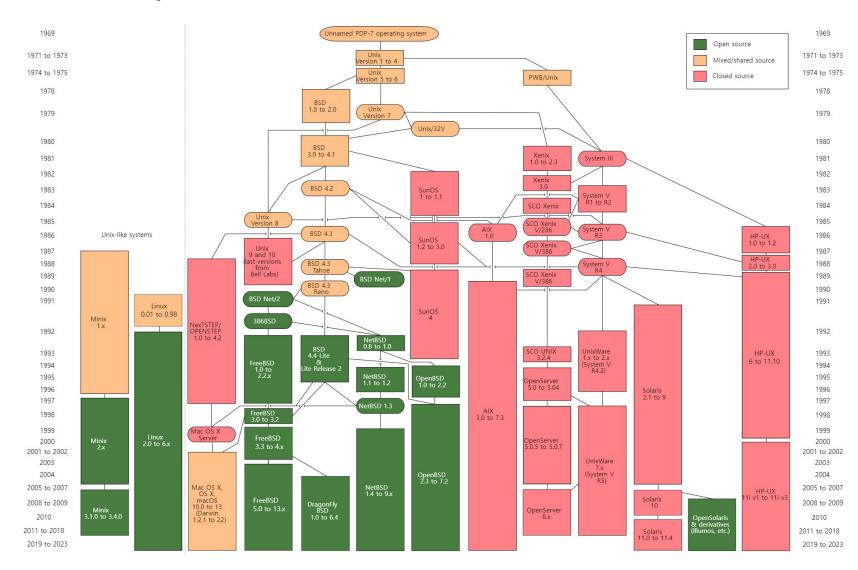




UNIX

Unix (/ˈjuːnɪks/; trademarked as UNIX) is a family
of multitasking, multiuser computer operating systems that derive
from the original AT&T Unix, development starting in the 1970s at
the Bell Labs research center by Ken Thompson, Dennis Ritchie, and
others.

UNIX Family



Linux

- Linux (/ˈlɪnəks/ (listen) LIN-əks)[9][10] is a family of free and open-source software operating systems based on the Linux kernel,[11] an operating system kernel first released on September 17, 1991 by Linus Torvalds.[12][13][14] Linux is typically packaged in a Linux distribution (or distro for short).
- Linux is one of the most prominent examples of free and opensource <u>software</u> collaboration. The <u>source code</u> may be used, modified and distributed—commercially or non-commercially—by anyone under the terms of its respective licenses, such as the <u>GNU</u> <u>General Public License</u>.

실습



C Programming 1

Windows 기반 환경



C Programming 2

Linux

- VirtualBox on Windows
 - Linux on VitualBox

15주 구성

- Install VB, Ubuntu
- Basic Linux command, gcc, vi
- C Programming 1 Review
- Pointers and Arrays
- Function and Structures
- UNIX System Interface
- Dev Utilities (Make, GDB)
- Libraries (C, Ncurses)
- Lab, Exam, Project

Q & A

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