

2023년 겨울방학 부트캠프 컴퓨팅 강의 계획서

날짜		대주제	시차	강의내용	실습 주제	담당 교수
1/15	월	Python 프로그래밍	1	Abstraction, Hello Python, Memory Models	Variable reassignment	김형신
			2	Functions, Memory Model, Function Design		
1/16	화		3	Strings, Control Structures		
			4	Modules and Classes		
1/17	수		5	Lists and Loops	List/Loop with matrices	
			6	Sets, Tuples, Dictionaries, and Mutability		
1/18	목		7	File IO	File IO problems	
1/19	금		8	Object-Oriented Programming	Cartesian plane OOP	
1/22	월	자료구조 및 기초알고리즘	9	Computational Complexity & Searching		김형신
1/23	화		10	Sorting Algorithms		
1/24	수		11	Data Structures: Arrays & Linked Lists	Linked list implementations	
1/25	목		12	Data Structures: Stacks & Queues		
1/26	금		13	Data Structures: Trees	Trees, BST problems	
1/29	월		14	Data Structures: Graphs		조요한
1/30	화		15	Data Structures: Hash Tables	Graph, hash problems	
1/31	수	컴퓨터 시스템 기초	16	Bits, Data Types, and Operations		
				Semiconductor and Logic Gates		

2/1	목		17	Von Neumann Model and Machine Codes		
				Great Ideas		
				Linux		
2/2	금	C 프로그래밍	18	Why High-Level Languages? Hello C!		
				Variables and Operators in C, Memory in C		
2/5	월		19	Control Structures in C	Prime factorization	
				Functions in C	Recursive function example	
2/6	화		20	Pointers	Pointer problems	
				Arrays	Array example, pointer and array example	
2/7	수		21	I/O in C		
				File I/O in C	File I/O example	
				Structures	Bounding box structures	
2/8	목		22	Dynamic Memory Allocation		
				Linked Lists in C, To Step Forward	Merging linked lists	
2/14	수	시험				