프로그래밍 나두 할 수 있다!

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모임 첫번째

오늘의 주제

-Computer Science란?

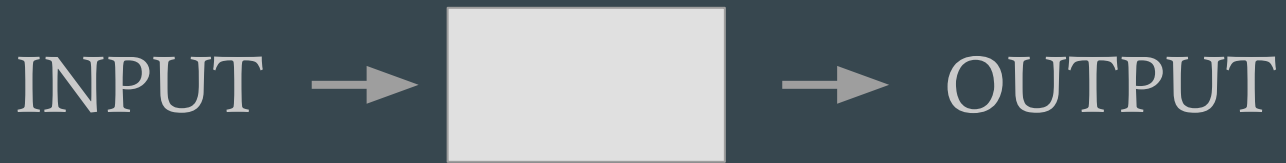-컴퓨터 언어 이해하기

-ASCII vs. UNICODE

-알고리즘이란?

-Time Complexity

-Pseudocode

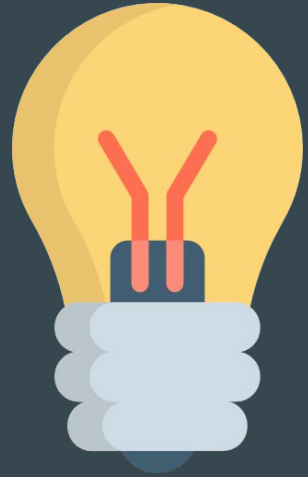-Scratch로 알아보는 간단 코딩

INPUT → OUTPUT

$$10^2 \quad 10^1 \quad 10^0$$

$$1 \ 2 \ 3$$

$$10^2 * 1 + 10^1 * 2 + 10^0 * 3$$

```
10^2   10^1   10^0
 #      #      #
```

10^2	10^1	10^0
#	#	#
2^2	2^1	2^0

A = 01000001 = 65

72 73 33

H I !

Dec	Hex	Char
48	30	0
49	31	1
50	32	2
51	33	3
52	34	4
53	35	5
54	36	6
55	37	7
56	38	8
57	39	9

Dec	Hex	Char
65	41	A
66	42	B
67	43	C
68	44	D
69	45	E
70	46	F
71	47	G
72	48	H
73	49	I
74	4A	J
75	4B	K
76	4C	L
77	4D	M
78	4E	N
79	4F	O
80	50	P
81	51	Q
82	52	R
83	53	S
84	54	T
85	55	U
86	56	V
87	57	W
88	58	X
89	59	Y
90	5A	Z

Dec	Hex	Char
97	61	a
98	62	b
99	63	c
100	64	d
101	65	e
102	66	f
103	67	g
104	68	h
105	69	i
106	6A	j
107	6B	k
108	6C	l
109	6D	m
110	6E	n
111	6F	o
112	70	p
113	71	q
114	72	r
115	73	s
116	74	t
117	75	u
118	76	v
119	77	w
120	78	x
121	79	y
122	7A	z

R G B

72 73 33

INPUT → □ → OUTPUT

1024

Pseudocode

① 전화번호 책의 가운데를 편다.

② 알파벳을 확인한다.

③ 알파벳과 이름이 일치하는 경우 이름을 찾는다.

④ 만약 알파벳이 이름의 알파벳보다 먼저이면 전화번호 책의 뒷부분을 확인한다.

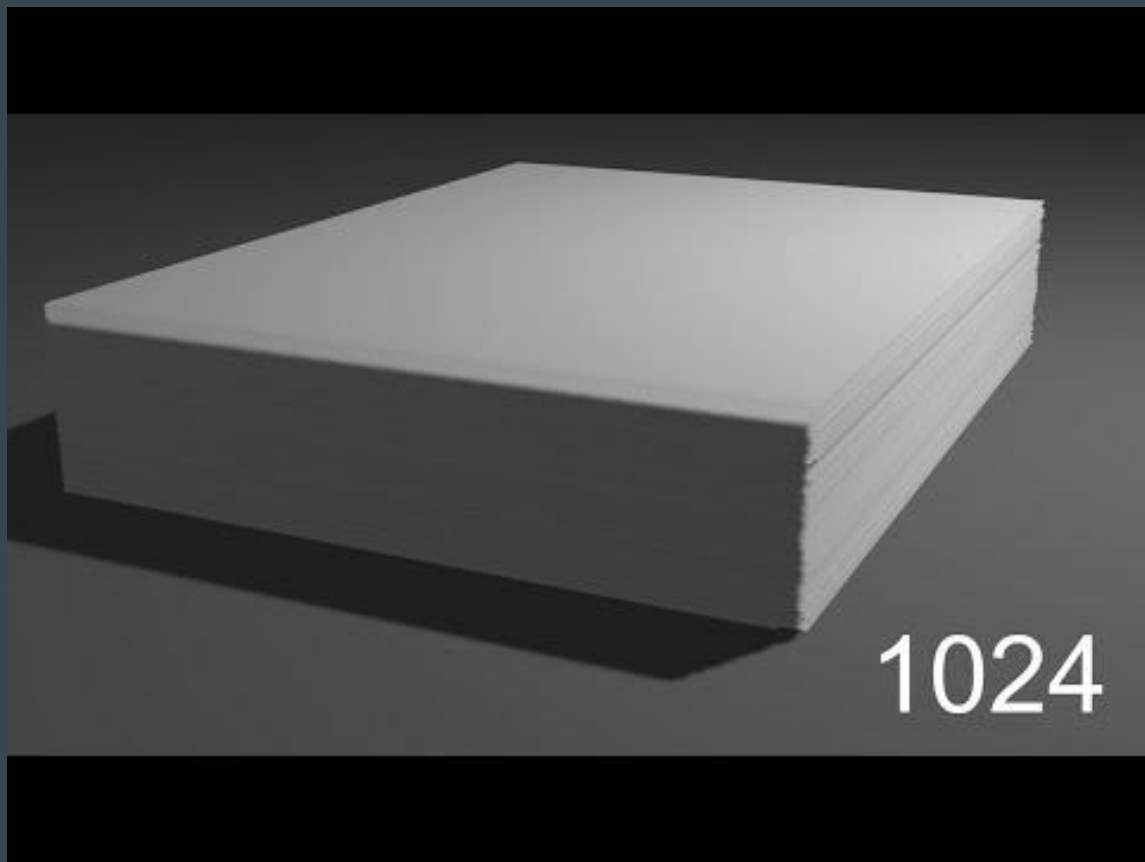⑤ 뒷부분의 가운데를 편다.

⑥알파벳이 맞지 않으면 3번으로 돌아간다.

⑦이름을 찾을 때 까지 반복한다.
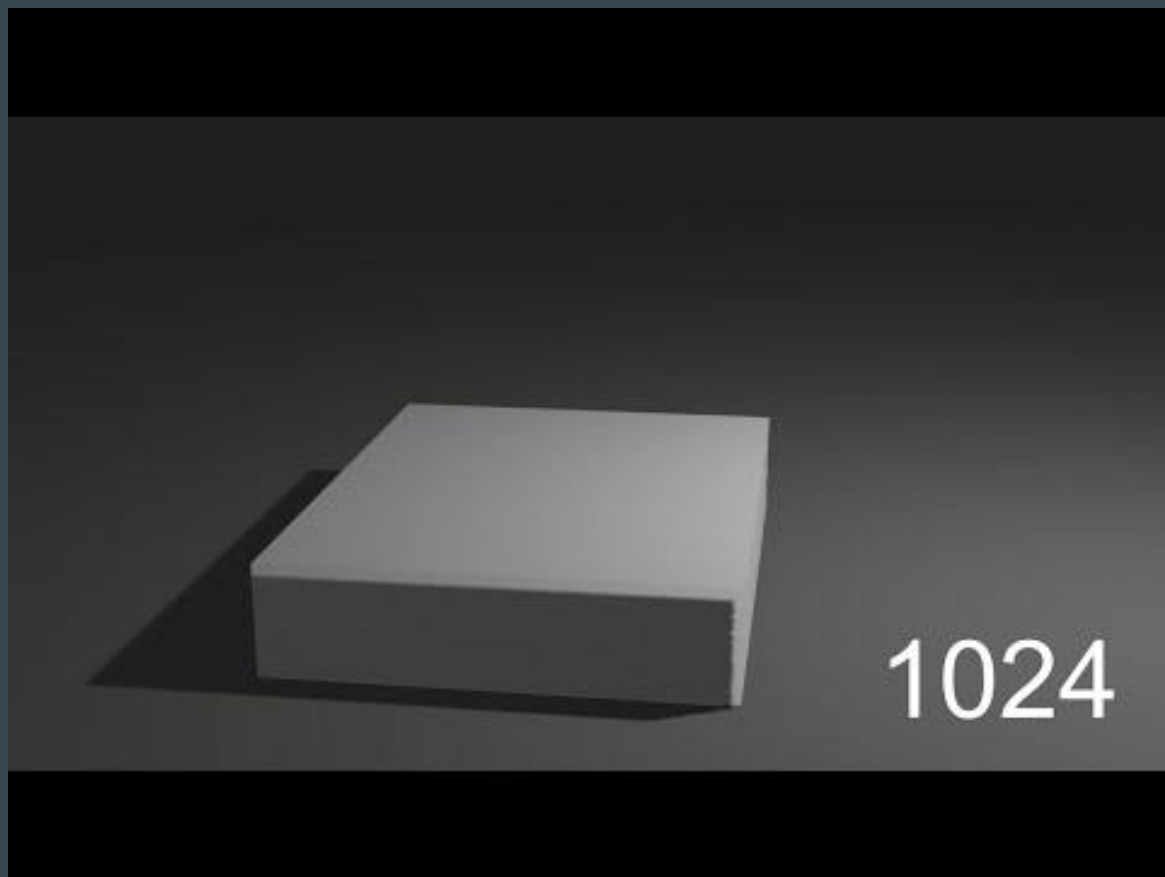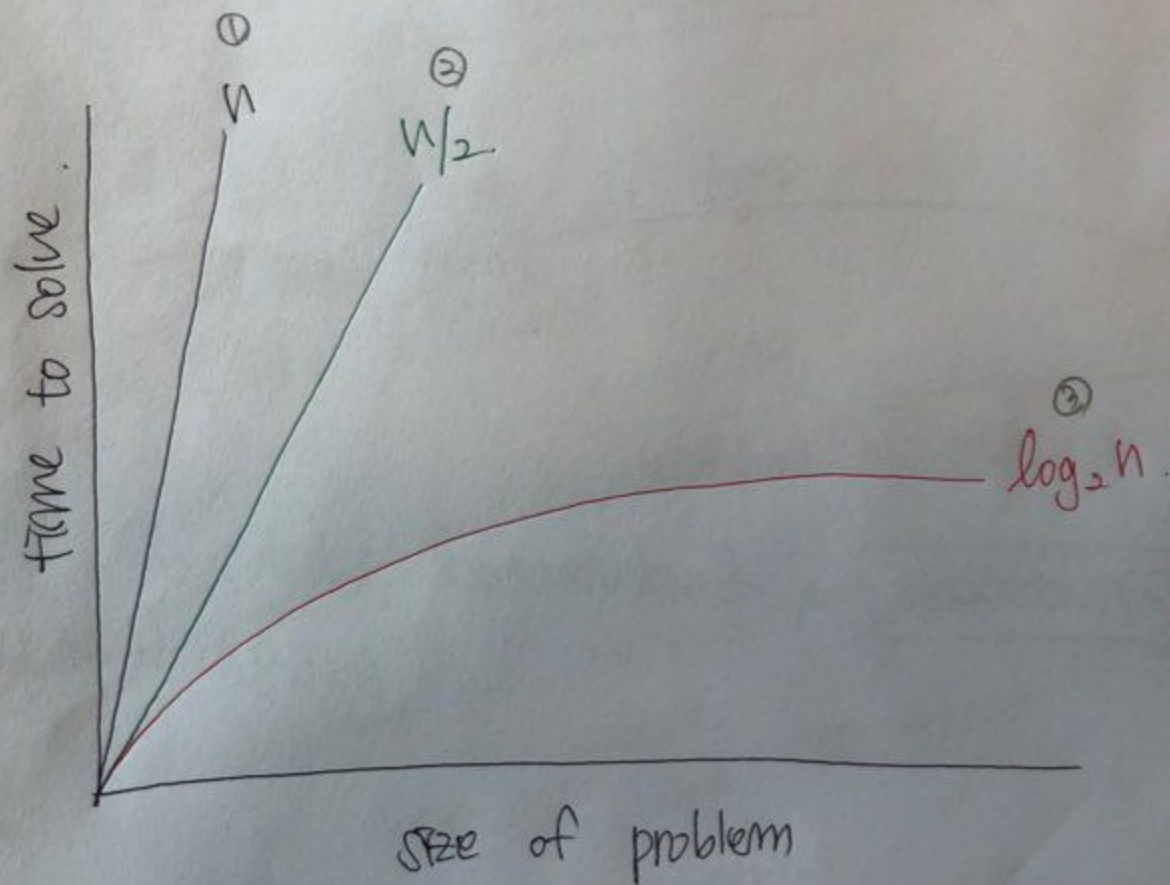
1   pick up phone book

2   open to middle of phone book

3   look at pate

4   If person is on page

5   call person

6   Else if person is earlier in book

7   open to middle of left half of book

8   Go back to line3

9   Else if person is later in book

10   Open to middle of right half of book

11   Go back to line 3

12   Else

13   Quit

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```c
#include <studio.h>


int main(void)

{

printf("Hello, world\n");

}
```