1. 정수 타입

❖ 정수 타입

- 메모리 사용 크기와 저장되는 값의 허용 범위 각기 다름

타입	메모리 사용 크기		저장되는 값의 허용 범위	
byte	1byte	8bit	$-2^7 \sim (2^7-1)$	$-128 \sim 127$
short	2byte	16bit	$-2^{15} \sim (2^{15}-1)$	$-32,768 \sim 32,767$
char	2byte	16bit	$0 \sim (2^{16}-1)$	$0 \sim 65535$(유니코드)
int	4byte	32bit	$-2^{31} \sim (2^{31}-1)$	$-2,147,483,648 \sim 2,147,483,647$
long	8byte	64bit	$-2^{63} \sim (2^{63}-1)$	$-9,223,372,036,854,775,808 \sim 9,223,372,036,854,775,807$

메모리

1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Byte 타입 변수								0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
int 타입 변수																																0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0