

- In a single cycle CPU can process 64-bit size data. (2021 CPUs)
- When Java was introduced 32 bits machine are in the market. So therefore Java using 4 bits for integer.

Type	Size	Range	Default
byte	1	-128 to 127	0
short	2	-32768 to 32767	0
int	4	-2147483648 to 2147483647	0
long	8	—	0
float	4	$\pm 3.4 \text{E}-38$ to $\pm 3.4 \text{E}+38$	0.0f
double	8	$\pm 1.7 \text{E}-308$ to $\pm 1.7 \text{E}+308$	0.0d
char	2	0 to 65535	\u0000
boolean	?	true/false	false