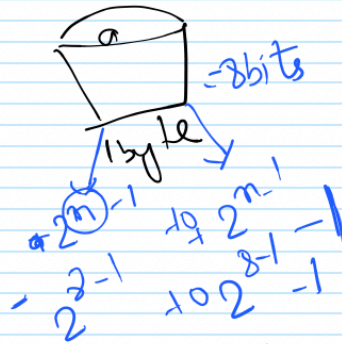


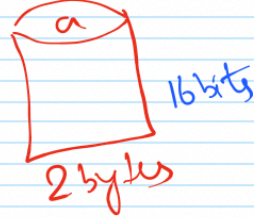
char c = 'a'; → 2 bytes ✓

byte short int long

byte a = 45;



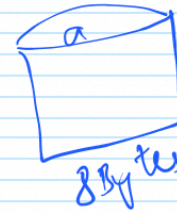
short a = 45;



int a = 45;



long a = 45;

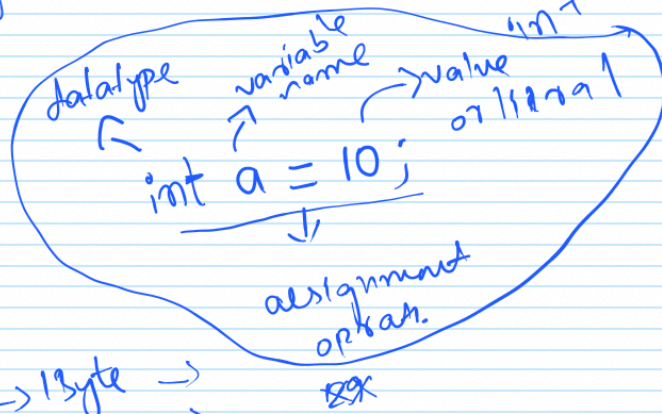


$$\begin{array}{r}
 2^7 + 2^7 - 1 \\
 \times 129 \\
 \hline
 128 \\
 \hline
 -128 + 0 + 127 \\
 \hline
 7286 \\
 \hline
 -32768 + 32767
 \end{array}$$

byte a = 45;  
byte b = 127;  
byte c = 129; ✗

byte  
short  
int

long a = 10;



10 - bytes

byte → 1 byte →  
short → 2 bytes →  
int → 4 bytes →  
long → 8 bytes →