Wanna know size programmatically

Use "sizeof" operator

Note; sizeof is a unary operator and not a function.

Output will be 4

Range

Upper and lower limit of some set of data.

For example : {0, 1, 2, 3, 4} Rang : **o to 4**

<u>Decimal number system</u>: human understandable number system alo called base 10 number system.

Range: o to 9

For example: 568

Range of 4 bit data

2^3 2^2 2^1 2^0

4 bit data: o o o o minimum value = 0

1111

Range of 4 bit data: 0 0 0 0 to 1 1 1 1 maximum value = 15

O to 15

Maximum value formula : 2 - 1

Range of integer

2 bytes unsigned range: 0 to 65535 (by applying: 2 - 1)

{16 bite} singed range: -32768 to +32767

2's complement range : -(2) to +(2 - 1)

n

Unsigned range: 0 to 4294967295 (by applying: 2 - 1)

Singed range: -2147483648 to +2147483647