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Difference between int and byte

Visual Studio Languages , **.NET Framework** > **Visual C#**

Question

what is the main difference between int and byte?

Friday, March 27, 2015 6:10 AM

0

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Rameshbl   0 Points

Answers

Hi,

homework?

0

http://en.wikipedia.org/wiki/Integer_%28computer_science%29

http://en.wikipedia.org/wiki/Byte

Regards,

  Thorsten

Edited by   Thorsten Gudera   *Friday, March 27, 2015 6:33 AM*

Proposed as answer by   Kristin Xie   Moderator   *Monday, March 30, 2015 2:39 AM*

Marked as answer by   Kristin Xie   Moderator   *Tuesday, April 7, 2015 12:20 PM*

Friday, March 27, 2015 6:31 AM

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Thorsten Gudera Hobbyist   50,630 Points

A byte is 2^8 so there are only 256 combinations while an integer is 2^32 (4 bytes) and has 4294967296 combinations

jdweng

0

Proposed as answer by   Kristin Xie   Moderator   *Monday, March 30, 2015 2:39 AM*

Marked as answer by   Kristin Xie   Moderator   *Tuesday, April 7, 2015 12:20 PM*

Friday, March 27, 2015 6:40 AM

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Joel Engineer   74,630 Points

Only difference is with the range of values it can hold.

Byte variable can hold values from -127 to +128. Bytes consists of 8 bits.

In C# integer is of 4 bytes.. so has more range.

0

I hope that helps.

_____

Thanks,
Prashant

Please mark this post accordingly if it answers your query or is helpful.

Proposed as answer by   Kristin Xie Moderator _Monday, March 30, 2015 2:39 AM_

Marked as answer by   Kristin Xie Moderator _Tuesday, April 7, 2015 12:20 PM_

Friday, March 27, 2015 9:31 AM

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Prashant Singh[prashant.1704]   2,185 Points

A byte is the format data is stored in memory in past. 8 bits.

An int is a format likewise you get it as value from the accumulator. For X64 that is Int64.

0

For compatibility the "Integer" is kept currently on Int32, the register format from the X86 computers.

Older computers likewise the 8088 had an 8 bit Int and therefore that was the same as the byte.

The 80286 had a 16 bits Integer.

Success
Cor

Edited by   Cor Ligthert   *Friday, March 27, 2015 10:23 AM*

Proposed as answer by   Kristin Xie   Moderator   *Monday, March 30, 2015 2:39 AM*

Marked as answer by   Kristin Xie   Moderator   *Tuesday, April 7, 2015 12:20 PM*

Friday, March 27, 2015 10:19 AM

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Cor Ligthert   139,350 Points

All replies

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