**Reverse a Number**

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C#

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Given a number, write a function to output its reverse digits. (e.g. given 123 the answer is 321)

Numbers should preserve their sign; i.e. a negative number should still be negative when reversed.

**Examples**

123 -> 321

-456 -> -654

1000 -> 1

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public static int ReverseNumber(int n)

{

int copia = Math.Abs( n);

int rev = 0;

while (copia > 0)

{

rev = rev \* 10 + (copia % 10);

copia /= 10;

}

if (n < 0) rev = -rev;

return rev;

}

public int ReverseNumber(int n)

{

return int.Parse(String.Join("", Math.Abs(n).ToString().Reverse())) \* (n < 0 ? -1 : 1);

}