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https://codefights.com/img/coins_new.png1000

**Reverse Bit**

I have an integer number, which I want to reverse by following steps:

1. Convert the number into binary string.
2. Reverse binary string.
3. Convert the reversed binary string back to integer.

Can you help me write a function to do it ?

**Example**

For x = 234, the output should be  
ReverseBit(x) = 87.

23410 = 111010102 => 010101112 = 8710.

**Input/Output**

* **[input] integer x**

A non-negative integer.

* **[output] integer**

x reversed as described above.

<https://codefights.com/challenge/NzuC7DRJ4xEEGWPpH>

static int ReverseBit(int x)

{

string bin = "";

while (x > 0)

{

bin += (x % 2).ToString();

x /= 2;

}

char[] temp = bin.ToCharArray();

Array.Reverse(temp);

int dec = 0;

for (int i = temp.Length - 1; i >= 0; i--)

{

dec += (int)(int.Parse(temp[i].ToString()) \* Math.Pow(2, i));

}

return dec;

}