S3-Template

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★ Method 1:

2⁸ = 2*2*2*2*2*2*2*2 = 256

* Method 2: Exponential Method

- 1. Convert the exponential number from Decimal to Binary
- 2. Process the numbers from right to left
- 3. Process the result only when number is odd
- 4. But keep accumulating the base

Binary	Curr	Res = Res * Base,	Next Base
(RtoL)	Base	for odd	(Base = Base
			* Base)
	2	1	
0	2		4
0	4		16
0	16		256
1	256	256	65536

- 1. Above using Exponent in Binary Form
- 2. Below using Exponent in Decimal Form

Check i	whether given number is odd or even.
Repeat the quo	the same after dividing it by 2 till tient is greater than 0
eg. 8	Quotient

Decimal To Binary



Check whether given number is odd or even.

Repeat the same after dividing it by 2 till the quotient is greater than 0

eg. 8

Quotient

8 is even. 8/2 = 44 is even. 4/2 = 22 is even. 2/2 = 11 is odd. 1/2 = 0

Which handwriting is better (above or below)

Check whether given number is odd or even.

Repeat the same after dividing it by 2 till the quotient is greater than 0

eg. 8

8 is even. 8/2 = 4

4 is even. 4/2 = 2

2 is even. 2/2 = 1

1 is odd. 1/2 = 0