More on Binary

How to convert int to binary?

use a built-in function:

a = 11 = 8+2+1 b = bin(a) print (6)

) \$6.1011

UxB

don't lave

unte your son function:

Why? Well, maybe we with enventuelly want to convert int to base 7, for some good reason. There is no built-in function for That !!

110. The Mod finetim

Hlgorithm: G(%) opentin = remainder after / integer division. Example: (i) 1953/010 => 19×10 + (5) = the last digit !!!

(9 (5) $\frac{1}{9} \left(\frac{10}{10} \right) = \frac{10}{10} \left(\frac{19.\times}{10} \right)$ = the other digits !!! (iii) Leep repeating. 19% 10 = (9) stop! 19/10 = 1 1%10 = 1/10 = 0 E end! Here's the cool thing: this algorithm works for any base!!!!

So, to convert to binary, we just

2₄.

11 % 2 = 11 11 / 2 = 5 5% 2 = 11

5/2 = 2 2

 $\frac{2\%2}{23} = \frac{10}{1}$

 $2 \times 4 + 3$ 8 + 3 = 11 16/2 = 11

1 /2 = \$\psi \cdot \stop \langle

 Δ_{α} . | | = > | D | |

Have a look at:

Convert - * Py

in Week 1 - Examples for
more information.