

Day 3

☰ Tags

binary

decimal

oop

I love Decimals and Binary

Let's kick off with a simple task. Show off your knowledge of computer science fundamentals by designing a class named `Converter`. The class should contain `two` main methods;

- `toDecimal` which takes a `string` as input and should return an `integer` representing the decimal value of the binary input.
- `toBinary` which takes an `integer` as input and should return a `string` representing the binary value of the decimal input.

Examples

```
Converter c;  
  
// Example 1  
c.toBinary(6); // Prints "0110" or "110"  
c.toDecimal("0110"); // Prints 6  
// Example 2  
c.toBinary(185); // Prints "10111001"  
c.toDecimal("10111001"); // Prints 185
```

Note:

- Runtime matters. Faster algorithms will be ranked higher.
- Clean code matters. Ranking will be affected by readability.
- Feel free to add more questions in your Corona helper program.
- Be creative.
- `toBinary` takes input from `0` to `2,147,483,647` (32-bit signed).

- `oDecimal` takes input containing only `0` or/and `1` .