CIS 211   Lab 6

Read

Michal's page (`https://uo-cis211.github.io/chapters/06_1_Bits`) is a really good reference to this exercise. You don't have to read it before start doing it. But it probably can answer the question you might have.

Exercise 1

What is the result of executing the following commands in a python console?

>>> a = 34	
>>> bin(a)	
>>> b = 23	
>>> bin(b)	
>>> a & b	
>>> bin(a & b)	
>>> a | b	
>>> bin(a | b)	

>>> a >> 1	
>>> a >> 2	
>>> a >> 3	
>>> b << 1	
>>> b << 2	
>>> b << 3	

Exercise 2

Write a function `extrac1_3` that takes an int `word` and extract bits 1 to 3, including bit 1 and 3.