



Is a prime number ?



XBITS

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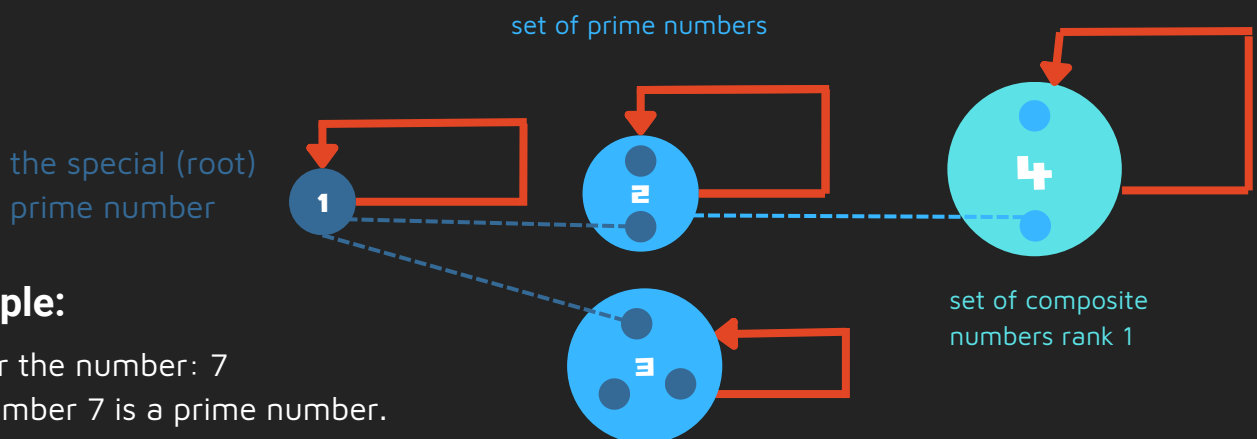
The problem:

Create a python script, the script must have a function named isprime that checks whether the number enter by the user in standard input stream is a prime number or not.

What's a prime number ?

A number is prime if and only if it can be divided by it self or the number 1.
So it have at most only 2 factors.

We can clearly see that 1 is a prime number because it is only divisible by 1 and itself (**he number 1 is special because, it divisible by itself and 1 that is itself so it doesnt break the rule**) 2 is also a prime number because it is only divisible by 1 and itself, where 4 is not a prime (composite) because it's made from a prime numbers
This mean that the conception of 4 is made from 2 of numbers 2, this break the rule so 4 is divisible by itself, 1, and 2.



Example:

> Enter the number: 7
The number 7 is a prime number.

Thanks and best wishes,

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Ethical hacker and future security
researcher **incha allah.**

Sahraoui Mohammed