



27 july 2023

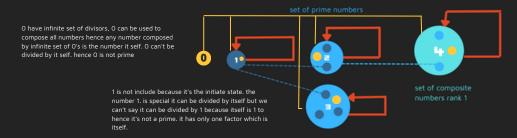
## The problem:

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 not a prime number because it is only divisible by 1 and itself (doesn't respect the criteria to be a prime) 2 is 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,

Sahraoui mohammed.

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

Sahraoui Mohammed