Write algorithm to determine whether a number is a prime number. The algorithm should iterate through possible divisors and determine if the number has any divisors other than 1 and itself.

Start
Input n
If number is 1 or -1 or 2 or -2
Then print prime numbers
Else
Initialize count equals to 3
Repeat until count < number
If number % count = 0 then
initialize check into 1
Count = count + 1
If check equals 1
print not prime
Else
print prime