HackerRank Sample Test 00:17:25 to test end

Prime Numbers Less Than N

Complete the function **getNumberOfPrimes** which takes in an integer **N** as its parameter,
to return the number of prime numbers that are less than N

Sample Testcases:
Input #00:
100
Output #00:
25

Input #01:
1000000
Output #01:
78498

YOUR ANSWER

Draft saved 11:54 pm Python 2

```
#!/bin/python

import sys
import os


# Complete the function below.

# Assume n is a positive interger
def getNumberOfPrimes(n):
    if n<= 3:
        return n-1
    primes = [2,3]
    for num in range(4,n+1):
        finished = False
```

```
        i = 0
        while not finished:
            prime = primes[i]
            result = num / prime
            remainder = num % prime
            if remainder == 0:
                finished = True
            elif result <= prime:
                primes.append(num)
                finished = True
            i += 1
    return len(primes)

f = open(os.environ['OUTPUT_PATH'], 'w')


_n = int(raw_input());

res = getNumberOfPrimes(_n);
f.write(str(res) + "\n")

f.close()
```

Line: 27 Col: 20

Test against custom input

Run Code

Submit code & Continue

Download sample testcases *The input/output files have Unix line endings. Do not use Notepad to edit them on windows.*

Status: Compiled successfully. All available test cases passed!

Testcase 1: *Success*

Your Output

25

Expected Output

25

Testcase 2: *Success*

Your Output

78498

Expected Output

78498