

Q1.py \Q7.pyQ14.pyQ15.pyQ1.py CIE 3Q2.pyQ3.pyQ4.pyXQ5.py

CIE 3 > Q4.py > ...  
1 #Q4. Write a function that prints Prime numbers from 1 to 500.  
2 #By Hanumant More  
3  
4 def prime(x, y):  
5 prime\_list = []  
6 for i in range(x, y):  
7 if i == 0 or i == 1:  
8 continue  
9 else:  
10 for j in range(2, int(i/2)+1):  
11 if i % j == 0:  
12 break  
13 else:  
14 prime\_list.append(i)  
15 return prime\_list  
16 lst = prime(1, 500)  
17 if len(lst) == 0:  
18 print("There are no prime numbers in this range")  
19 else:  
20 print("The prime numbers in this range are: ", lst)  
21

PROBLEMSOUTPUTDEBUG CONSOLETERMINAL

moreh@Hanumant MINGW64 /d/Python/CIE 3  
\$ C:/Users/moreh/AppData/Local/Programs/Python/Python310/python.exe "d:/Python/CIE 3/Q4.py"  
The prime numbers in this range are: [2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97, 101, 103, 107, 109, 113, 127, 131, 137, 139, 149, 151, 157, 163, 167, 173, 179, 181, 191, 193, 197, 199, 211, 223, 227, 229, 233, 239, 241, 251, 257, 263, 269, 271, 277, 281, 283, 293, 307, 311, 313, 317, 331, 337, 347, 349, 353, 359, 367, 373, 379, 383, 389, 397, 401, 409, 419, 421, 431, 433, 439, 443, 449, 457, 461, 463, 467, 479, 487, 491, 499]  
  
moreh@Hanumant MINGW64 /d/Python/CIE 3  
\$

Python 3.10.0 64-bit 0 0 0Ln 21, Col 1Spaces: 4UTF-8CRLFPython

