primes between range

July 9, 2024

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def is prime (num):
     if num <= 1:
          return False
     if num == 2:
          return True
     if num \% 2 == 0:
          return False
     \max \text{ divisor} = \inf (\text{num}^{**}0.5) + 1
     for divisor in range (3, max_divisor, 2):
          if num \% divisor == 0:
               return False
     return True
def prime_numbers_in_range(start, end):
     primes = []
     for num in range (start, end + 1):
          if is_prime(num):
               primes.append(num)
     return primes
start = int(input("enter start limit:"))
end = int(input("enter end limit:"))
primes = prime numbers in range(start, end)
print(f"Prime numbers between {start} and {end}: {primes}")
Prime numbers between 23 and 15000: [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,
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