8. Write a program to generate all the prime numbers using recursion

```
Program:
def is_prime(n, divisor=2):
  if n <= 2:
    return n == 2
  if n % divisor == 0:
    return False
  if divisor * divisor > n:
    return True
  return is prime(n, divisor + 1)
def generate_primes(start, end):
  if start > end:
    return
  if is_prime(start):
    print(start)
  generate_primes(start + 1, end)
start num = 2
end num = 50
print("Prime numbers between", start_num, "and", end_num,
"are:")
generate primes(start num,end num)
Time complexity:
O(n\sqrt{n})
```