 Python Program for Sieve of Eratosthenes

def SieveOfEratosthenes(n):  
    prime = [True for i in range(n + 1)]  
    p = 2  
    while (p \* p <= n):  
        if (prime[p] == True):    
            for i in range(p \* 2, n + 1, p):  
                prime[i] = False  
        p += 1  
    prime[0]= False  
    prime[1]= False  
    for p in range(n + 1):  
        if prime[p]:  
            print(p)  
if \_\_name\_\_=='\_\_main\_\_':  
    n = 30  
    print("Following are the prime numbers smaller")  
    print("than or equal to", n)  
    SieveOfEratosthenes(n)