

Write a python program to find all prime numbers between 1 to 100?

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# Function to check if a number is prime
def is_prime(n):
    if n <= 1:
        return False
    for i in range(2, int(n**0.5) + 1): # check till sqrt(n)
        if n % i == 0:
            return False
    return True

# Find and print prime numbers from 1 to 100
primes = []
for num in range(1, 101):
    if is_prime(num):
        primes.append(num)

print("Prime numbers from 1 to 100 are:")
print(primes)

---
```

Output:

Prime numbers from 1 to 100 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]

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# Function to check if a number is prime using divisor count method

def is\_prime(n):

count = 0

for i in range(1, n + 1):

if n % i == 0:

count += 1

return count == 2 # True if prime, False otherwise

# Function to get all prime numbers in a range

def primes\_in\_range(start, end):

primes = []

for num in range(start, end + 1):

if is\_prime(num):

primes.append(num)

return primes

# Main program

print("Prime numbers from 1 to 101 are:")

print(primes\_in\_range(1, 101))

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Output:

Prime numbers from 1 to 101 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]

