end = int(input("Enter Your Number: "))

num = 1

while (num <= end):

    qc = 2

    prime\_var = True

    if (num == 1): prime\_var = False

    while (qc < num):

        if (num % qc == 0):

            prime\_var = False

            break

        qc += 1

    print(f"{num: >{len(str(end))}}: {prime\_var}")

    num += 1