

```
In [1]: # Sum of natural numbers up to num

num = 16

if num < 0:
    print("Enter a positive number")
else:
    sum = 0
    # use while loop to iterate until zero
    while(num > 0):
        sum += num
        num -= 1
    print("The sum is", sum)
```

The sum is 136

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In [4]: # taking input from user
number = int(input("Enter any number: "))

# prime number is always
if number > 1:
    for i in range(2, number):
        if (number % i) == 0:
            print(number, "is not a prime number")
            break
    else:
        print(number, "is a prime number")
else:
    print(number, "is not a prime number")
```

Enter any number: 24  
24 is not a prime number

In [ ]:

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