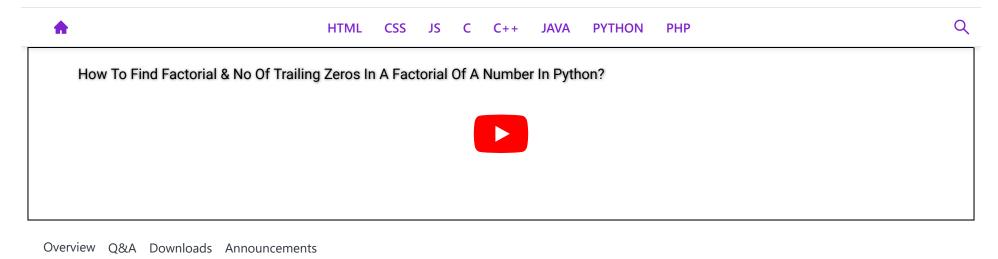
## CodeWithHarry



## How To Find Factorial & No Of Trailing Zeros In A Factorial Of A Number In Python?

In this tutorial, we are going to learn how to calculate the factorial of a given number, and also, we are going to find the number of trailing zeroes in that number.

Now let's see what a **Factorial** is. A **factorial** is a function that multiplies a number by every number below it. For example 7!= 7\*6\*5\*4\*3\*2\*1=5040.

Now to generate the factorial of a given number, we are going to be using the recursive approach because it is easy. We will create a class as factorial() and put a recursive function there to calculate the factorial.

Now to find the number of trailing zeroes of that factorial, we will be using a *while loop*, where we will count the numbers and then return the trailing zeroes of that factorial number. For better understanding, watch the video.

```
def factorial(number):
    if number==0 or number==1:
        return 1
    else:
        return number * factorial(number-1)

def factorialTrailingZeroes(number):
```

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```
#fac = factorial(number)
   #print(fac)
   count = 0
   i = 5
   while (number//i !=0):
        count+= int(number/i)
       i = i*5
   return count
   #while (fac%10 ==0):
       #count = count+1
       \#fac = fac/10
   #return count
if __name__ == '__main__':
   number = int(input("Enter a number: \n"))
   #fac = factorial(number)
   #print(f'The factorial is {fac}')
   print(factorialTrailingZeroes(number))
```

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