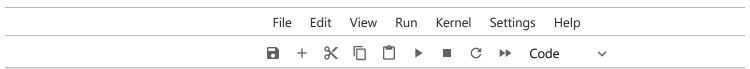
8/26/25, 1:05 PM Untitled8

## Jupyter Untitled8 Last Checkpoint: 21 seconds ago



```
In this we are Calculating the Factorial of a number
[ ]: def factorial(n):
          if n == 0 or n == 1:
              return 1
          else:
              return n * factorial(n-1)
      **Explanation of the Factorial Function**
     The factorial of a non-negative integer n is the product
      for 0!=1
          1!=1
          n!=n(n-1)
      recursive approach:
      In this notebook, the function factorial(n) uses recursio
      if n is 0 or 1 \rightarrow return 1
      Otherwise → return n × factorial(n-1)
[3]: factorial(5)
[3]: 120
```