HANDS-ON ACTIVITY 0

Pre-lab Assessment	
Course Code: CPE311	**Program:** Computer Engineering
Course Title: Computational Thinking with Python	**Date Performed:** 21 January 2024
Section: CPE22S3	**Date Submitted:** 22 January 2024
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Output

```
#Recursive Factorial
def factorial(n):
  if n==0 or n==1:
    return 1
  return n*factorial(n-1)

number = int(input("Enter a number: "))
print("Fatorial of ", number, " is ", factorial(number), ".")
```

```
Enter a number: 5
Fatorial of  5  is  120 .
```

```
#Non recursive/ Looping
def Factorial(n):
  x = 1
  for i in range(1, n+1): #higher end is excluded
    x = x * i
  return x

num = int(input("Enter a number: "))
print("Fatorial of ", num, " is ", Factorial(num), ".")
```

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Fatorial of  5  is  120 .
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