question3

January 4, 2021

Create a non recursive function factorial() that takes an integer and returns its factorial value. Save the python file as .py and import the module and use the functions.

```
[1]: def factorial(n):
    result = 1;
    if(n < 0):
        print("The factorial does not exist for negative numbers ")
    elif(n==0):
        print("The factorial of 0 is 1 ")
    elif(n==1):
        return 1
    else:
        for i in range(2, + 1):
            result = result * i;
        return result;</pre>
```

[]:

 q^{1}

January 4, 2021

Create a non recursive function factorial() that takes an integer and returns its factorial value. Save the python file as .py and import the module and use the functions.

```
[1]: import factorial_definition
    factorial_definition.factorial(3)

[1]: 6
[2]: factorial_definition.factorial(5)

[2]: 120
[3]: factorial_definition.factorial(10)

[3]: 3628800 [ ]:
```

Garde a non recursive function factorial () that takes as Portagon and redowns its factorial value. Save the python the dif factorful (0): 3P (UCO): print ("The factorial choes not exist for negative numbers") elif (n==0): point ("The factorial of O is 1") elib (n==1): return 1 els: for : In range (2, not); result = result +1; refun result: Proport foctorial - deflection factorial - definition. factorial (3) factorial - dotinition. factorial (5) factorial - definition. factorial (10)