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;
```

[ ]:
```

```

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q3

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 [ ]:

```

```

(3) Create a non recursive function factorial() that takes an Integer and returns its factorial value. Save the Python file

```
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,n+1):
        result = result *i;
    return result;
Import factorial_definition
factorial_definition.factorial(3)
factorial_definition.factorial(5)
factorial_definition.factorial(10)
```