A picture containing drawing

Description automatically generated

**Python**

Student:

Mentor:

BMCC

**For example, if we have something wrong in the Python**

**An example of extraction of the Factorial number.**

If we have some files and they’re numbered in a list and we organize them and do application in python. Sometimes when we look in youtube, we see the numbers come below or above the names which is not correct, and we must be able to see the information displayed without clicking. For example, the numbers displayed in a specific format on a video or app they may not be in order. Sometimes, the title of the video is before the number which is organized incorrectly.

Also, we can organize anything and correct anything using Python. Many programs are capable of being fixed.

A benefit of python is that we can support libraries with a large amount of support. It also increases the amount of simplicity of reading and learning for an individual. It is possible to have the capability of thinking specifically during coding when using the python language and advantages that it offers.

Python is an example of free software with open source. In simple terms, you can freely distribute copies of this software, read the source code, make some changes to it and use parts of it in new free software.

**Introduction to Computer Science and Programming Using Python**

**# This code has been tested on Python Platform 3.4.3**

**def Factorial(num):**

**new\_num = 1**

**for count in range(num,1,-1):**

**new\_num \*= count # Multiply result by count**

**return new\_num**

**limit = 9**

**for n in range(0,limit+1):**

**print(n,'! = ' ,Factorial(n),sep='')**

**# <-- Ouput -->**

**#**

**# 0! = 1**

**# 1! = 1**

**# 2! = 2**

**# 3! = 6**

**# 4! = 24**

**# 5! = 120**

**# 6! = 720**

**# 7! = 5040**

**# 8! = 40320**

**# 9! = 362880**

**why:**

This series is designed to help new people who do not have prior knowledge or experience in computer science or programming to learn computational thinking and how to write programs to address useful problems.

**The point:**

After studying these two courses, it can be used as a starting point for advanced and higher-level computer science courses.

**Summary:**

For many, this course can be everything they need to know initially. The course "Introduction to Computer Science and Programming Using Python Language" covers the concept of calculation, the Python programming language, some simple algorithms, testing and correction.