PYTHON ASSIGNMENT-2: Report  
STOCK MANAGEMENT

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This assignment is based upon the concept of **OBJECT ORIENTED LANGUAGE.**  First we import random in the vs code as Python has an in-built random library used to generate random numbers with the help of various in-built functions.



After this process we import maths as Python has a set of built-in math functions, including an extensive math module, that allows you to perform mathematical tasks on numbers.

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Description automatically generatedNext we create a class “allinputs” where we take inputs from the user about details of the products such as current stock, product code, product name, sale price, manufacture cost, etc. In this process it may occur sometimes that user enter wrong type of data which may cause error in the code to overcome this error we use Try and Except method. Try and except method handles exceptions in the program, when we make a program it is common to have exception Instead of an emergency halt, we use a try except statement to properly deal with the problem. An emergency halt will happen if you do not properly handle exceptions.

We repeat this same process for inputs as well.

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Where we call this class, classes are used in a program to make it well oriented. Then we make another class in which we will make 2 functions first function will be

def confirmation():

in this function we take inputs again from the user for confirmation of the product details while creating 2 global variables.

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Description automatically generated This function allows user to confirm the details they entered to make it visually pleasing and increase the readibility of the data that was entered by the user. Moving on to next part we create one more function by the name

def products\_manufactured\_stocks():

This is important part of the code where we print all the statement for stock , unit sold and manufactured units for 12 months.

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After callling all the functions last part of the project is getting the net profit for which formula is.

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applying the same formula using 2 variables we will get our net profit.