1.3.8 Peer review: Aligning to PEP 8

This peer review is about applying your understanding of the PEP 8 guidelines by reviewing code and spotting where PEP 8 standards have not been followed or have been followed incorrectly.

**Scenario**

You are a data analyst at Orchid.ly, an international e-commerce platform that sells rare varieties of orchids to customers worldwide. The company is developing its data analysis department and needs some basic code to evaluate and analyse data. One of its key needs is a **simple calculator to count and track the stock numbers of the orchids.**

A data analyst intern has provided you with a piece of code, and you’ve been tasked with fixing it up before sending it to your manager for review.

**Objective**

**Review the provided code and ensure it follows the PEP 8 guidelines you learned about in**[**1.3.7 PEP 8 guidelines for Python.**](https://fourthrev.instructure.com/courses/895/pages/1-dot-3-7-pep-8-guidelines-for-python?module_item_id=67405)

1. **Reviewing the code**
2. Copy and paste the following code block into a new Jupyter Notebook.
3. # Program To Make Simple Calculator  
   # This function adds 2numbers  
   def add( x, y ):  
       return x + y  
     
   #This function subtracts  2numbers  
   def subtract(x, y):  
       return x - y  
     
     
     
    #This function multipliers 2numbers  
   def multiply(x, y):  
      return x \* y  
     
   ##This function divides  2numbers #  
   def divide(x, y):  
      return x / y  
     
   print ( "Select operation.")  
   print ( "1.Add")  
   print ( "2.Subtract")  
   print ( "3.Multiply")  
   print ( "4.Divide")  
     
   while True:  
        
      choice = input  ("Enter choice(1/2/3/4): ")# Take input from the  user  
     
      # Check if choice is 1 of the four options by completing the following code in the IDE of your choice or notebook  
      if choice in ('1', '2', '3', '4'):  
         Num1   = float(input("Enter first number: "))  
         Num2   = float(input("Enter second number: "))  
     
          if CHOICE == '1':  
              print(Num1, "+", Num2, "=", add( Num1, Num2 ))  
     
          elif CHOICE == '2':  
              print (Num1, "-", Num2, "=", subtract( Num1, Num2 ))  
     
          elif CHOICE == '3':  
              print (Num1, "\*", Num2, "=", multiply( Num1, Num2 ))  
     
          elif CHOICE == '4':  
              print (Num1, "/", Num2, "=", divide( Num1, Num2 ))  
          break  
      else:  
     
          Print( "Invalid Input" )#this prints the invalid input....
4. Evaluate the provided block of code. (You’re not expected to know what this code does or what the output should be.)
5. Use in-line Python comments to mark all instances that **DO NOT** follow the PEP 8 guideline recommendations.
6. Comments on some ways to address these issues.
7. Rewrite the code block following PEP 8 guidelines.
8. Once completed save the Notebook as an IPYNB file.
9. Ensure you’ve included your name in the file name.
10. Select ‘**Start assignment**’, and share your Notebook for your peers to assess. **This should be completed by 07 July.**