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# This program will perform Average and Operation Calculations
# 5.1 Programming Assignment
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def calculate_average():
    input_nums = int(input("Please state how many numbers you wish to "
                           "enter:  "))
    print(input_nums)
    total = 0
    for i in range(input_nums):
        number = float(input("Please enter desired number here: ".format(
            i + 1)))
        total += number
    average = total / number
    print ("Average equals: ", average)

def perform_calculation(operation, number1, number2):
    if operation == '/':
        equals = number1 / number2
    elif operation == '*':
        equals = number1 * number2
    elif operation == "-":
        equals = number1 - number2
    elif operation == "+":
        equals = number1 +number2

    return equals

def main():
    while True:
        print("Welcome to my program, lets start your calculations.. ")
        input_choice = input (" Would you like to perform a calculation, "
                          "or calculate an average today? For Calculation "
                          "type C, Average type A, and to Quit type Q ")
        if input_choice == 'Q':
            print("Thank you for using my program, closing program...")
            break
        elif input_choice == 'A':
            print ("You have chosen to calculate the average of inputted "
                   "numbers")
            calculate_average()
        elif input_choice == 'C':
            print("You have chosen to use an operation for your inputted "
                  "numbers ")
            operation = input("Please select your operation: +, - , /, "
                              "* ")
            if operation in ['+', '_', '*', '/']:
                number1 = float(input("Enter the first number: "))
                number2 = float(input("Enter the second number: "))
                calc = perform_calculation(operation, number1, number2)
                print("Your calculation is equal to ", calc)
                continue
        else:
            print(' Sorry that input was invalid, please try again: ')


if __name__ == "__main__":
    main()
```