```python
#This program gives math quizzes with two random numbers and executes simple math calculations
#4/7/2023
#CTI-110 P5HW - Math Quiz
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import random

#Function for addition
def addition():

    #Getting random integers in range 1 to 100
    num_1 = random.randint(1,100)
    num_2 = random.randint(1,100)
    print('   ',num_1)
    print(' + ',num_2)
    #Calculating addition
    add = num_1 + num_2
    #Asking for user answer
    answer = int(input('\nEnter answer.\n'))
    #Count guesses
    guess = 1

    #Loop for getting answer while answer is not correct
    while add!=answer:
        if answer < add:
            print('Sorry, guess is too low.')
        else:
            print('Sorry, guess is too high.')
        #Asking for user answer
        answer = int(input('\nTry again: '))
        #Incrementing the count of guesses
        guess += 1

    #Printing when answer is correct
    print('Congratulations!!!! Your answer is correct.')
    print('Number of guesses: ',guess)

#Function for subtraction
def subtraction():

    #Getting random integers in range 1 to 100
    num_1 = random.randint(1, 100)
    num_2 = random.randint(1, 100)
    print('   ', num_1)
    print(' - ', num_2)
    #Calculating subtraction
    sub = num_1 - num_2
    #Asking for user answer
    answer = int(input('\nEnter answer.\n'))
    #Count guesses
    guess = 1

    #Loop for getting answer while answer is not correct
    while sub != answer:
        if answer < sub:
            print('Sorry, guess is too low.')
        else:
            print('Sorry, guess is too high.')
        #Asking for user answer
        answer = int(input('\nTry again: '))
        #Incrementing the count of guesses
        guess += 1

    #Printing when answer is correct
    print('Congratulations!!!! Your answer is correct.')
    print('Number of guesses: ',guess)

#Function to display MAIN MENU for user choice
def main():
    print('\nMAIN MENU')
    print('-'*20)
    print('1. Adding Random Numbers')
    print('2. Subtracting Random Numbers')
    print('3. Exit\n')

    #Asking for user input
    option = int(input('Please choose one of the menu options: '))

    #If option equals to 1 call addition() function
    if option == 1:
        addition()
    #If option equals to 2 call subtraction() function
    elif option == 2:
        subtraction()
    #If option equals to 3 exit the program
    elif option == 3:
```

```python
        print('Thank you for playing...')
        print('Bye!!')
        exit()
    #Else display an error message
    else:
        print('Invalid option. Please choose again.')


    #Calling the function until user exits the program
    main()


print('Welcome to Math Quiz\n')
main()
```