

```
# p5hw
#5/3/2023
#CTI-110
# Math Quiz
#Kenneth Gonzalez
#
```

```
import random
```

```
def main():
    menu()
```

```
def menu():
    choice = 0
    while choice != 3:
        print("Welcome to the Math Quiz")
        print("")
        print("")
        print("Main Menu")
        print("-"*20)
        print("1. Adding Random Numbers")
        print("2. Subtracting Random Numbers")
        print("3. Exit")
        print("")
        print("Please choose one of the menu options: ", end='')
        choice = int(input())
        print()
```

```
    if choice == 1:
        add()
        print("")
    elif choice == 2:
        subtract()
        print("")
    elif choice == 3:
        print("exit")
        print("The program has ended")
    else:
        print("Bad choice. Try again! ")
        print("")
```

```
def add():
    finished = 0
    guess = 0
    attempts = 0
    print("Addition Function")
    num1 = random.randint(1,10)
    num2 = random.randint(1,10)
    answer = num1 + num2
    print(f'  ', num1)
    print(f'+', num2)
    print("Enter answer. ")
    guess = int(input())
```

```
    while finished != 1:
        if guess < answer:
            attempts +=1
            print("Sorry, guess is too low.")
            print()
            print("Try again: ", end='')
            guess = int(input())
        elif guess > answer:
            attempts +=1
            print("Sorry, guess is too high.")
            print()
            print("Try again: ", end='')
            guess = int(input())
        else:
            attempts +=1
            print("Congratulations!!! Your guess is correct.")
            print(f'Number of guess: {attempts}')
            print()
            finished = 1
```

```
def subtract():
    print("Subtraction Function")
    finished = 0
    guess = 0
    attempts = 0
    print("Addition Function")
    num1 = random.randint(1,10)
```

```
num2 = random.randint(1,10)
answer = num1 - num2
print(f' ', num1)
print(f'- ', num2)
print("Enter answer. ")
guess = int(input())
```

```
while finished != 1:
    if guess < answer:
        attempts +=1
        print("Sorry, guess is too low.")
        print()
        print("Try again: ", end='')
        guess = int(input())
    elif guess > answer:
        attempts +=1
        print("Sorry, guess is too high.")
        print()
        print("Try again: ", end='')
        guess = int(input())
    else:
        attempts +=1
        print("Congratulations!!! Your guess is correct.")
        print(f'Number of guess: {attempts}')
        print()
        finished = 1
```

```
main()
```