Analytical Programming

Question 1.

```
def Q1():
    num1 = int(input('Enter the first number '))
    num2 = int(input('Enter the second number '))
    average = (num1+num2)/2
    print(average)
```

(a)
Consider the above snippet and modify the code so it can generate appropriate error message if a potential error happened. Use Exception and Else statements.

(b)
Apply exception and else to catch any potential error. Use while loop so the code will iterate until correct value is entered by end-user.

Question 2.

```
def Q2Er():
        fileContent = open("tes.txt", "r")
        line = fileContent.readline()
        print(line)
        number = int(line)
        print(number)
        fileContent.close()
```

Apply appropriate exception statements to catch any potential error. Note that the code might need more than one exception statement.

Question 3.

```
def Q3():
    num1 = int(input('Enter a number '))
    num2 = int(input('Enter another number '))
    print(num1/num2)
```

Use **assert** statement to display an appropriate error message for any potential error in the code.