print("Readability")

print()

chars = input ("Text: ")

print()

num1 = len(chars)

#print (num1)

letters = 0

res = 0

w = 0

num2 = len(chars.split())

#print (num2)

l = letters

letters = num1 - num2

print ("The number of letters is: " + str(letters))

l = (letters)

#letters,words,sentances

res = w

res = len(chars.split())

print ("The number of words is: " + str(res))

#lw = 0

string = 0

sentence\_count = 0

sentences = 0

seen\_end = False

sentence\_end = {"?", "!","."}

for c in chars:

if c in sentence\_end:

if not seen\_end == True:

sentence\_count += 1

continue

seen\_end == False

#print (sentence\_count)

print ("The number of sentences is: " + str(sentence\_count))

s = sentence\_count

v = 100

lw = 0

sw = 0

index = 0

Readability = 0

v = 100

r = 0

a = 0

b = 0

t = 0

#print (str(v) / str(w))

v == 100

print("-" \*50)

print()

print ("There are: ")

print()

#print(100/res)== a

print (100/res\*l)== b

b\*0.0588==s

str(b) == str(lw)

print()

print ("letters per 100 words.")

print()

print ("There are: ")

print()

#print(100/res)== a

print(100/res\*s)== c

(0.2960)\*(100/res\*s) ==t

str(c) == str(sw)

print()

print ("sentences per 100 words.")

print()

#print (0.0588\*(100/res)\*l)==s

#print (0.296\*(100/res)\*s)==t

print ("Index = ")

print ((0.0588\*(100/res)\*l)-(0.296\*(100/res)\*s)-15.8) == index

#print ( index // 1)

#print ((s)-(t))==(u)

#print (u - (15.8)) ==index

#str(float((0.0588 \* lw - 0.296 \* sw - 15.8)))== index

print()

print("-" \*50)

print()

print("Readability: Grade ")

r = (round((0.0588\*(100/res)\*l)-(0.296\*(100/res)\*s)-15.8 ) )

if r <= 16:

print(r)

if r > 16:

print("16+")