marks = {

"Maths": 98,

"Science": 87,

"English": 68,

"Python": 98,

"Data Science": 57

}

high = max(marks,key=marks.get)

low= min(marks,key=marks.get)

print("highest marks:",high,"=",marks[high])

print("lowest marks:",low,"=",marks[low])

#positive negative number

num = int(input("Enter a number: "))

if num > 0:

print("Positive number")

elif num < 0:

print("Negative number")

else:

print("Zero")

#sum of two numbers

a = int(input("Enter first number: "))

b = int(input("Enter second number: "))

sum = a + b

print("The sum is:", sum)

#find vowls and consonance

s = input("Enter a word: ").lower()

v = "aeiou"

vowels = sum(1 for i in s if i in v)

consonants = sum(1 for i in s if i.isalpha() and i not in v)

print("Vowels:", vowels, "Consonants:", consonants)

#addition of natural numbers

n = int(input("Enter a number: "))

total = n \* (n + 1) // 2

print("Sum of natural numbers:", total)

#merge two elements

a = input("Enter first word: ")

b = input("Enter second word: ")

print("Merged:", a + b)

list1 = [1, 2, 3]

list2 = [4, 5, 6]

merged = list1 + list2

print("Merged list:", merged)

**OUTPUT:**

Enter a word: the

Vowels: 1 Consonants: 2

======================== RESTART: C:\Python files1\3.py ========================

highest marks: Maths = 98

lowest marks: Data Science = 57

Enter a number: 65

Positive number

Enter first number: 76

Enter second number: 65

The sum is: 141

Enter a number: 76

Sum of natural numbers: 2926

Enter first word: the

Enter second word: lion

Merged: the lion

Merged list: [1, 2, 3, 4, 5, 6]