string="hello friend!"

print("h" in string)

print("friend" not in string)

output:

True

False

FOR LOOP:

In Python, a for loop is used to iterate over a sequence (such as a list, tuple, dictionary, or string) and execute a block of code for each item in the sequence.

Example:

number = [1,2,3,4,"saru"]

for num in number:

print(num)

fruits=["apple","banana","watermelon"]

for fruit in fruits:

print (fruit)

output:

1

2

3

4

saru

apple

banana

watermelon

example:

n= int(input("enter a number:-"))

for i in range(1,n+1):

print(i)

output:

enter a number:-9

1

2

3

4

5

6

7

8

9

Example:

n= int(input("enter a value:-"))

for k in range(n,0,-1):

print(k)

output:

enter a value:-6

6

5

4

3

2

1

Example:

for A in range(1,10):

if A%2==0:

print(A,"even")

else:

print(A,"odd")

output:

1 odd

2 even

3 odd

4 even

5 odd

6 even

7 odd

8 even

9 odd

Example:

evensum=0

oddsum=0

for i in range(1,11):

if i%2==0:

evensum=evensum+i;

else:

oddsum=oddsum+i;

print(evensum,"evensum")

print(oddsum,"oddsum")

output:

30 evensum

25 oddsum

Example:

name="mani";

revResultStr=[]

revStr=""

for char in range(len(name)-1,-1,-1):

revResultStr.append(name[char])

revStr+=name[char]

print(name[char])

print(revResultStr)

print(revStr)

output:

i

['i']

i

n

['i', 'n']

in

a

['i', 'n', 'a']

ina

m

['i', 'n', 'a', 'm']

inam

example:

string = input("enter a string:").lower()

vowels=0

consonants=0

for char in string:

if char in 'ajecgsd':

vowels+=1

else:

consonants+=1

print("vowels:",vowels)

print("consonants:",consonants)

out put:

enter a string:10k codes

vowels: 4

consonants: 5