Aprlil 3 -2025

Task

String functions-

s="kowsHik is my names"

s1="mullaputi"

print(s.startswith("k"))#True

print(s.capitalize())#firts char is upper case remainin lower case-Kowshik is my names

print(s.upper())#all will  upper case-KOWSHIK IS MY NAMES

print(s.join("abcd"))#akowshibkowshickowshid

print(s.join(s1))#it will join starting and ending of thr words that given

print(s.count("i"))#it will count the charcters present inn thr String-2

print(s.endswith("e"))# it will check the char at the end based on the true/false-False

print(s.find("o"))# it will give index of first occurence of the char in string-1

print(s)

print(s.split())#it will split the String based on the char we are giving-['kowshik', 'is', 'my', 'names']

print(s.lower()) # it will convert to lowercase

print(s.title())# every word first letter is to get capital

print(s.swapcase())# it covert to opposit format

print(s.find("name"))# 14

List functions-

l=["kowshik",3,4,5,"sai",9]

l1=[3,5,433,5,6]

print(len(l)) # length of the list

print(max(l1)) # max number in the list

print(min(l1)) # min number in the list

print(sum(l1)) # add the list

k=sorted(l1)

print(k)# sorted order

print(list("avreikit"))# convert into a list

l1.append(10) #add at the end

print(l1)

l1.extend(l) # we can add to list join two list at the end

print(l1)

l1.insert(3,20)

print(l1) # we can add elemets in thr prefered indexes

l1.remove(3)

print(l1) # removes the first occurence of this item

l1.append(3)

print(l1)

l1.remove(3)

print(l1)

l1.pop(2)

print(l1)

l1.append(2)

print(l1)

l1.insert(4,2)

print(l1)

l1.pop(2) # remove the prefred index from the list

print(l1)

print(l1.count(10)) # counts the oocurence of the element

l1.reverse()

print(l1)

l1.copy()

print(l1)

Task programs-

s1=10

if 100>s1 and s1>=90:

                print("Grade A")

elif 90>s1 and s1>=80:

                print("Grade B")

elif 80>s1 and s1>=60:

                print("Grade C")

else:

                print("Fail")

#revere a string and pallindrone

str1="nitin"

rev=""

for i  in range(len(str1)-1,-1,-1):

                                     rev=rev+str1[i]

if str1==rev:

    print("palindrome")

else:

    print("not a pallindrome")

#given num even or odd

num=int(input("enter a number"))

if num%2==0:

            print("even number")

else:

        print("odd number")

#1 to 100

for i in range(1,100,1):

        if i%2==0:

                    print("@")

        else:

                    print(i)

#taking element and sqaring it

col=[2,3,4,5,6]

for i in range(0,len(col),1):

                                      a=col[i]

                                      print(a\*a)

#iterating the dictionary based on the keys

dic={

       "name":"ntr",

        "age":23,

        "movie":"dammu"

    }

for i in dic:

     print(dic[i])

dic2={

    "name":input("enter the name "),

    "age":int(input("enter the age ")),

    "address":input("enter the address")

}

for j in dic2:

    print(dic2[j])

#or

def get\_details(\*n):

                        print(\*n)

get\_details(input("enter the name "),int(input("enter the age ")))

#check for the prime number

def is\_prime(n):

        if n<2:

                return False

        for i in range(2,int(n/2)):

                if n%i==0:

                    return False

        return True

num=19

if(is\_prime(num)):

            print(num," is prime number")

else:

        print(num,"is not a prime")

#get the number from thr user and check it prime number or not

def is\_prime1(n1):

        if n1<2:

                return False

        for i in range(2,int(n1/2)):

                if n1%i==0:

                    return False

        return True

num1=int(input("enter the number"))

if(is\_prime1(num1)):

            print(num1," is prime number")

else:

        print(num1,"is not a prime")

#fibanocci series

x=0

y=1

print(x)

print(y)

for i in range(0,50):

                         c=x+y

                         print(c)

                         x=y

                         y=c