Page : loop operation O write a program to check armstrong number. Ans:- i) n= 1634 8=n b= len (sta(n)) oum 1 = 0 while n!=0: 7= nº10 10 Sum] + (2 + b) n2 n1/10 If S=2 sum1! print ("The given no.", S", is aumstrong number") point ("The given number", s", is not a comstrong no") ii) n=150 S=n bz un (str(n)) Sum 220 while n!=0: 72 n.1.10 Sum = Sum 2 + (+ + b) n= n//10 if so = sum 2: FORFETTONE SINONZA XXVII'S as motorny no.) Wivo Al camera 2023.03.22 10:09

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100 (0) (0) (0)	Page: Date: / /
print ("The given number", 5 , 5 not a armstoo	1
The state of the s	and uo.)
2 Print fibonacci series upto n terms conere n à	to men holoman (1)
define.	re lower (In
Aruit numos	
72, 92 =0,1	
print ("Fibonacci Series: ", n 1, m2, end = "	")
for inn range (2, num?:	
$n_3 = n_1 + n_2$	
n1 = n2	
n22m3	
print(n3, end = "")	
print ()	
(3) Check the number is palindrome or not	
Ano!- no int (input ("Enter number"))	
temp = n.	
nev20	
eshile (n70):	
dia = n'+10/	
nev= nev*10 + dig	
1= n 10 nev is a so (1) d rame")	
point ("The number bupating time?	The state of the s
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a conte a program for insertion	sort using python.
Ano!- def insertion sout (aver):	gala ya mukani
if (n:= len (arx)) <=1:	
netwo.	
for i'in scange (1, m):	
key = aportis.	th of years Keles
j= i-1 20 40 10 10 10 10 10 10 10 10 10 10 10 10 10	
while j >= 0 and key < avr	EjJ:
are [j+1) = are[]	
j -=1	
antito=Key	1
arr = [18,9, 20,7,10]	
insention sout(over)	
er print (avr)	
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	Het I
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	Functions
	ay Find the factorial of a number using function.
	Ans!- def factorial (num):
	if (num ==0):
	netwan 1
	else:
	netwin neum + factorial (num-1)
	num = int(input ("Enter a number"))
	if nem<0:
	print ("factorial cannot be found for negative numbers)
	elif mum=0:
	print ("Factorial of O is 1")
	print ("Factorial of, "num, "is", factorial (num)).
	Q2) Porform bubble sout wing function.
	Ans!-
00	Shot on vivo Z1x
	Vivo Al camera 2023.03.22 10:09

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	def bubble _ Sout (nums):		
	n= len (numa)		100
	for i'in sange (n)		1
	far i in range (0, n-	i-1):	
	il mum a [i] > muma Li	+().	
	nums [i], neums [îtl]	= numo Cj f (), numo cj	
	nums = [64,34, 25, 12,	97, 11, 90].	
		,	
	print ("Sorted list in a	scending order!", nums)	
	prime C Som Co		
			-
			-
			-
		4	
		43	