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# NumericPrograms-Assignment
# Write a program to reverse a given list of numbers.
# I=[100,121,111,123,1441,1451,1221]
# print("Before",I)
# [2=[]
# for n in I:
    t=0
   while(n!=0):
     r=n%10
     t=t*10+r
     n=n//10
   12.append(t)
# print("aftere", l2)
# output:
# Before [100, 121, 111, 123, 1441, 1451, 1221]
# aftere [1, 121, 111, 321, 1441, 1541, 1221]
# Write a program to check if a given list is a palindrome.
I=[100,121,111,123,1441,1451,1221]
print("Before",I)
12=[]
for n in I:
  i=n
  t=0
  while(n!=0):
    r=n%10
    t=t*10+r
    n=n//10
  if(t==i):
    l2.append(f"Palindrom {t}")
  else:
    l2.append(f"Not Palindrom {t}")
print(I2)
output:
['Not Palindrom 1', 'Palindrom 121', 'Palindrom 111', 'Not Palindrom 321', 'Palindrom 1441',
'Not Palindrom 1541', 'Palindrom 1221']
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# Write a program to reverse a given string using a loop (without slicing).
# s='12231'
# s2="
# for i in s:
    s2=i+s2
# print(s2)
Output:13221
# Write a program to calculate the sum of all elements in a list using a loop.
# I=[10,20,30,40,50,60,78,90]
# sum=0
# for i in I:
    sum+=i
# print(sum)
# output:378
# Write a program to find the maximum and minimum values in a list using a loop.
# I=[10,20,30,40,50,60,78,90]
# min=I[0]
# max=0
# for i in I:
    if i<min:
   if i>max:
# print("Min:",min,"Max:",max)
# output:
# Min: 10 Max: 90
# Write a program to count how many times a specific element appears in a list.
\# d={}
# I=[1,2,3,1,2,3,1,2,3,4,53,21,1,2,1,2,12,1,1,6,7,8]
# for i in I:
  d[str(i)]=l.count(i)
# print(d)
# output:
# {'1': 7, '2': 5, '3': 3, '4': 1, '53': 1, '21': 1, '12': 1, '6': 1, '7': 1, '8': 1}
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# Write a program to remove duplicates from a list using a set and print the result.
\# = [1,2,3,1,2,3,1,2,3,4,53,21,1,2,1,2,12,1,1,6,7,8]
# l=list(set(l))
# print(I)
# output:
# [1, 2, 3, 4, 6, 7, 8, 12, 53, 21]
# Write a program to check if a list of numbers is sorted in ascending order.
# I=[1, 2, 3, 4, 6, 7, 8, 12, 53, 21]
# |2=[1, 2, 3, 4, 6, 7, 8, 12, 21,53]
# print(l==sorted(l))
# print(l2==sorted(l))
# output:
# False
# True
# Write a program to find the intersection of two lists using a set.
# I1=[10,20,30,40,50]
# I2=[10,20,10,20,30]
# |1=set(|1)
# I2=set(I2)
# print(l1.intersection(l2))
# output:{10, 20, 30}
# Write a program to create a dictionary from two lists—one for keys and the other for
values.
# I=['lavanya','samarth','meghana','shlok']
# age=[24,26,12,4]
\# d={}
# i=0
# while(i<len(l)):
   d[[[i]]=age[i]
   i+=1
# print(d)
# output:
# {'lavanya': 24, 'samarth': 26, 'meghana': 12, 'shlok': 4}
# Write a program to find the sum of all values in a dictionary.
# d={'lavanya': 24, 'samarth': 26, 'meghana': 12, 'shlok': 4}
# sum=0
# for v in d.values():
# sum+=v
# print(sum)
Output:66
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# Write a program to find all even numbers in a list using a loop.
# I=[10,20,30,33,44,23,123,21,12]
# for i in I:
  if i%2==0:
     print(i,end=" ")
# output:10 20 30 44 12
# Write a program to print all numbers between two given numbers using a for-range loop.
# n1=int(input("Enter start range "))
# n2=int(input("enter end range "))
# for i in range(n1,n2):
# print(i,end=" ")
# output:
# Enter start range 10
# enter end range 15
# 10 11 12 13 14
# Write a program to check if a string is a palindrome using a loop.
# s="MooM"
# r="
# for i in s:
    r=i+r
# if(r==s):
    print("Palindrome")
# else:
   print("Not Palindrome")
# output:Palindrome
# Write a program to find the union of two sets and print the result.
# s1={1,2,3,1,2,34,4,5,6,78,8}
# s2={34,78,8}
# print(s1.union(s2))
# output:
# {1, 2, 3, 34, 4, 5, 6, 8, 78}
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