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import itertools

digit=3

num=input("Enter the number:")

while True:

x=True

if (len(num)!=digit):

x=False

print("Invalid Input, OUT OF LIMIT!")

elif digit==2:

if num[0]==num[1]:

print("Invalid input, unique permutation")

x=False

elif digit==3:

if (num[0]==num[1]==num[2]):

print("Invalid input, unique permutation")

x=False

break

if x==True:

nums=list(num)

permutations = list(itertools.permutations(nums))

p=[[''.join(permutation) for permutation in permutations]]

print(*p)

IDLE Shell 3.11.1

File Edit Shell Debug Options Window Help

Python 3.11.1 (tags/v3.11.1:a7a450f, Dec 6 2022, 19:58:39) [MSC v.1934 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

= RESTART: C:/Users/nandh/AppData/Local/Programs/Python/Python311/day 2 3.0.py =

Enter the number:123

>>>

123 132 213 231 312 321