**Python Program to Find the different digits r from numbers n using permutations.**

from itertools import permutations  
n = int(input("Enter The Number Of List Elements: "))  
a = []  
b = []  
for i in range(n):  
    a.append((int(input())))  
r = int(input("Enter The r Value: "))  
perm = permutations(a, r)  
for i in list(perm):  
    v = 0  
    for j in i:  
        v = v\*10+j  
    b.append(v)  
print(str(b))

**Output:**

