**Python Program to Create a Class and Get All Possible Subsets from a Set of Distinct Integerss**

class Subsets:

def f1(self, s1):

return self.f2([], sorted(s1))

def f2(self, curr, s1):

if s1:

return self.f2(curr, s1[1:]) + self.f2(curr + [s1[0]], s1[1:])

return [curr]

a=[]

n=int(input("Enter number of elements of list: "))

for i in range(0,n):

b=int(input("Enter element: "))

a.append(b)

print("Subsets: ")

print(Subsets().f1(a))

