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

**class sub:**

**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(sub().f1(a))**



