```
In [ ]:
    from itertools import combinations
 1
 2
    def ADD(1,s):
 3
        if(l not in s):
 4
             s.add(1)
 5
        else:
             print("Element already exist")
 6
 7
    def REMOVE(1,s):
 8
        if(1 in s):
 9
             s.remove(1)
10
        else:
11
             print("Element doesn't exist ")
12
13
    def UNION(s1,s2):
14
        if(len(s1)!=0 and len(s2)!=0):
15
             print(s1.union(s2))
16
    def INTERSECTION(s1,s2):
17
        if(len(s1)!=0 and len(s2)!=0):
18
             print(s1.intersection(s2))
19
    def DIFFERENCE(s1,s2):
20
21
        if(len(s1)!=0 and len(s2)!=0):
22
             print(s1-s2)
23
24
    def SUBSET(s1,s2):
25
        if(len(s1)!=0 and len(s2)!=0):
26
             print(s1.issubset(s2))
27
    def LEN(s1):
28
29
        1=0
        for x in s1:
30
31
             1=1+1
32
        print(1)
33
    def SYMMETRIC_DIFFERENCE(s1,s2):
34
35
        if(len(s1)!=0 and len(s2)!=0):
36
             print(s1.symmetric_difference(s2))
37
    def Power_Set(s1,):
38
        """Returns the power set of the given set s."""
39
40
        power_set_list = []
41
        for r in range(len(s1) + 1):
42
             power_set_list.extend(combinations(s1, r))
43
        print(power_set_list)
44
45
    def unique subsets(s):
46
        """Returns all unique subsets of the given set s."""
47
        # Convert the input to a list to support indexing
48
        s = list(s)
49
        subsets = []
50
        # Generate all subsets
51
        for r in range(len(s) + 1):
52
             subsets.extend(combinations(s, r))
53
        print(subsets)
54
55
```

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