Day - 9 Recursion

Problem 1: Given an array print all the sum of the subset generated from it, in the increasing order.

```
def print_subset_sums(arr):
  n = len(arr)
  subset_sums = []
  def generate_subsets(curr_sum, idx):
    if idx == n:
      subset_sums.append(curr_sum)
      return
    generate_subsets(curr_sum + arr[idx], idx + 1)
    generate_subsets(curr_sum, idx + 1)
  generate_subsets(0, 0)
  subset_sums.sort()
  for sum in subset_sums:
   print(sum, end=" ")
# Test case
arr = [5, 2, 1]
```

print_subset_sums(arr)

```
input

0 1 2 3 5 6 7 8

...Program finished with exit code 0

Press ENTER to exit console.
```