**2B (Brute Force)**

**Q.** **Generate every possible combination from a given charset to a given range**

**IMPLEMENTATION IN PYTHON**

**PROGRAM:**

from itertools import chain, product

def bruteforce(charset, maxlength):

return (''.join(candidate)

for candidate in chain.from\_iterable(product(charset, repeat=i)

for i in range(1, maxlength + 1)))

list(bruteforce('bg', 2))

**OUTPUT:**

['b', 'g', 'bb', 'bg', 'gb', 'gg']

**Python Code and Output Screenshot:**

