**To print all possible combinations.**

**itertools.combinations(iterable, r) :-**  
It return r-length tuples in sorted order with no repeated elements. For Example,

combinations(‘ABCD’, 2)

==> [AB, AC, AD, BC, BD, CD].

**itertools.combinations\_with\_replacement(iterable, r) :-**  
It return r-length tuples in sorted order with repeated elements. For Example,

combinations\_with\_replacement(‘ABCD’, 2)

==> [AA, AB, AC, AD, BB, BC, BD, CC, CD, DD].