Counting

     is building a one-to-one correspondence bewteen the objects in a certain set and an initial segement of the list { 1, 2, 3, 4, 5, 6, ... }

Note: An initial segement is a portion that contains the first element and does not skip any element in between.

$$\{1, 2, 3, 4, 5, 6, 7, 8, 9, \ldots \ldots \ldots \}$$