Arithmetic Sequence (arithmetic progression) – A sequence of numbers in which the difference of two consecutive terms is the same. A sequence with a general term $a_{n+1} = a_n + d$ or $a_n = a_1 + (n-1)d$ is called an arithmetic sequence.

Example: let d=2 and $a_1 = 1$, then 1,3,5,7,… forms an arithmetic sequence with first term equal to 1 and common difference(difference between any two consecutive terms) equal to 2.