```
In [4]:  #Name: Mohith Dande
         Let's find the next two terms in the sequence:
         Given:
         2, 6, 12, 20, ...
         ---
         Step 1: Look at the pattern of differences
         Let's subtract each term from the next:
         6 - 2   = 4
         12 - 6  = 6
         20 - 12 = 8

         So the differences are increasing by 2 each time:
         +4, +6, +8, ...

         Next differences would be:
         +10
         +12
         ---
         Step 2: Add these to get next terms
         Next term = 20 + 10 = 30
         Next term = 30 + 12 = 42
         ---
         Final Answer:
         Next two terms: 30, 42

In [1]:
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