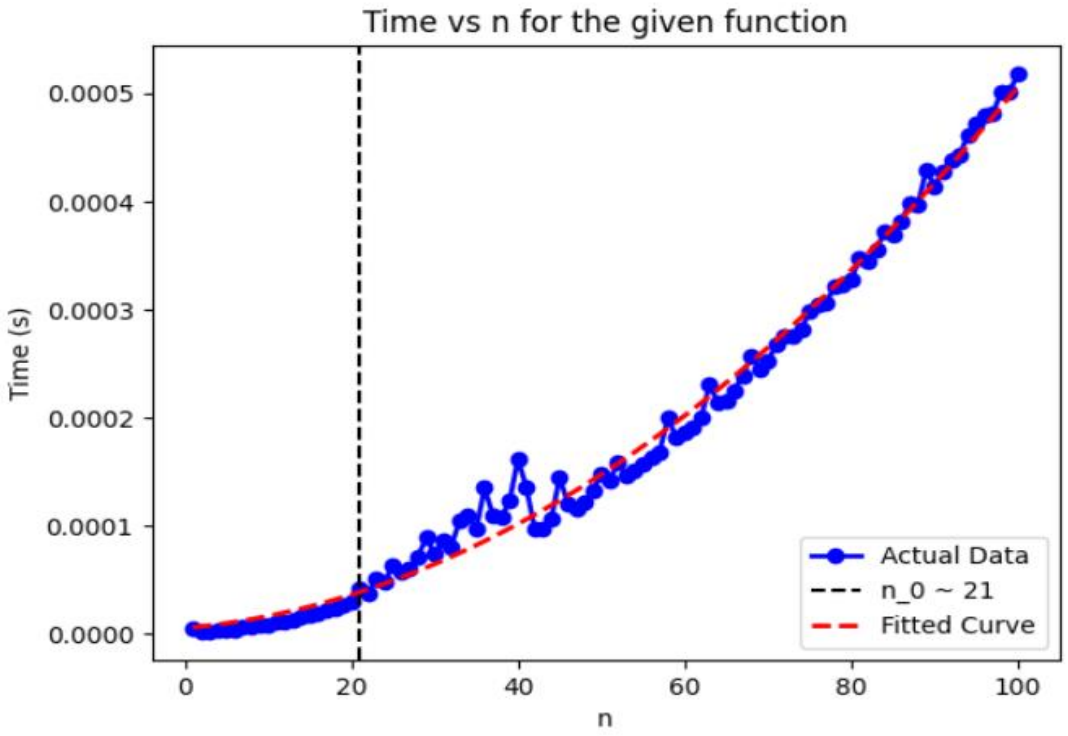
4. Find the approximate (eye ball it) location of "n_0" . Do this by zooming in on your plot and indicating on the plot where n_0 is and why you picked this value. Hint: I should see data that does not follow the trend of the polynomial you determined in #2.



1. **Explanation:**
    - In this specific case, you might have observed (By eye ball) that up to *n*=20, the runtime follows a trend close to linear (perhaps influenced by the linear term *n* in the polynomial fit).
    - Beyond *n*=20, there is a more significant deviation from this linear trend.
2. **Reason for Picking 21:**
    - I chose *n*_0=21 because, at this input size, there is a noticeable shift in the behavior of the runtime data.
    - The observed deviation from the polynomial trend becomes more evident, indicating that beyond *n_0* , the quadratic term is deviating influential.