Assignment-3

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**Task 2 -Analysis**

**Analysis Graph For increasing Worker container:**

Chart, line chart

Description automatically generated

* Every time when we are running the code using container the execution time is decreasing as we are increasing the number of container.
* Also, there are some problem when we have a lot of work to do parallelly with running this task so it will take more time as compare to previous one.
* The creation of additional containers, also known as workers or slaves, will result in smaller dataset chunks. Each worker will be able to focus on a smaller portion of the dataset as a result. The dataset will be executed more quickly as a result than if there were fewer containers. As a result, the execution time will decrease and the number of containers will increase, causing the line graph to slope downward.