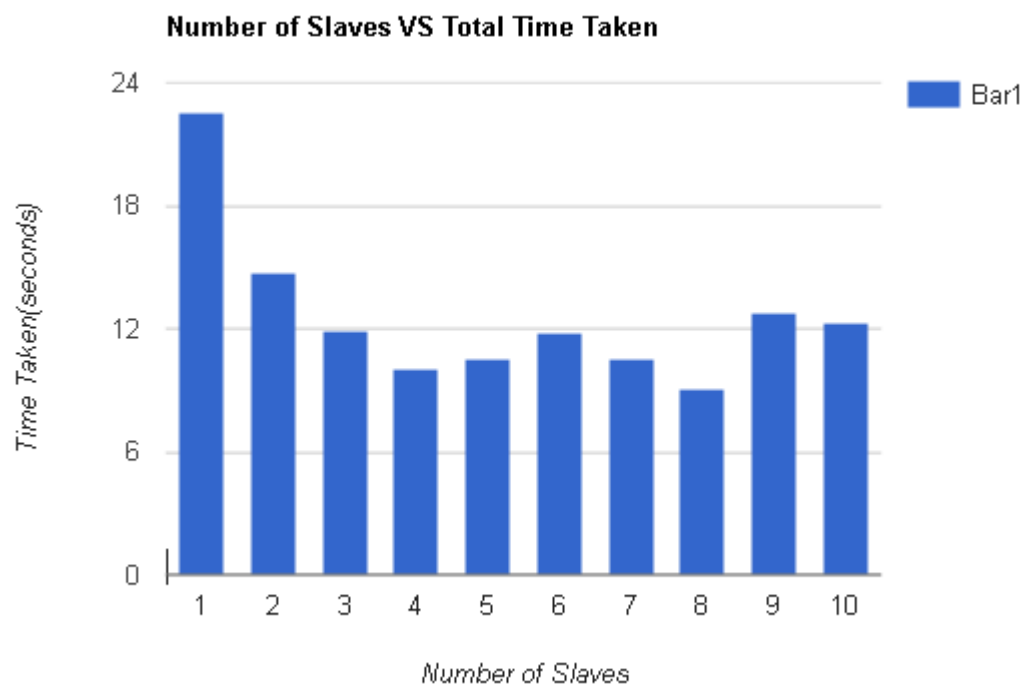


## Conclusion



The above graph indicates that the best possible performance was obtained when 8 slaves were used. After 8 slaves, the performance degrades as the processing involved in setting up the slaves and handling the communication between the master and slave increases. These results were obtained on Lenovo Ideapad 320E laptop running with 8 GB DDR4 RAM and Core i5 7<sup>th</sup> Generation Processor. Both the master and slaves were run parallelly on the same system. Hence, if different servers will be used, much higher numbers of slaves can be used to calculate complexity of even bigger repositories.