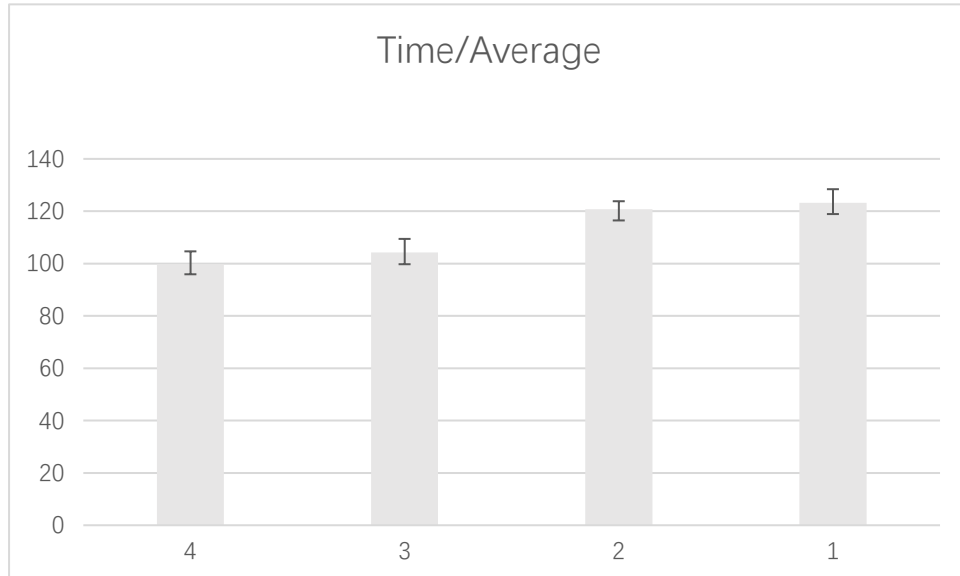


## Report:

For our scalability test, we tested the create account process and flood our server with 10000 requests.

The data is shown below:



From the difference shown above, we found that running on more cores does reduce the total time consumed,

but the reduced amount is not as significant as we predicted. After reviewing our code and test, we still

thought that our programme should have run faster on more cores, so we guessed it might be the socket that constrained

our programme's performance but unfortunately we didn't have time to prove that.

We also tested different Core's efficiency.

core Number	Time/average	#	Time/average
0,1,2,3	99.7096	4	99.7096
0,1,2	104.245	3	104.245
0,1	120.815	2	120.815
0	123.251	1	123.251
2	108.976	1	108.976
3	98.9149	1	98.9149
1	102.47	1	102.47
1,2,3	107.767	3	107.767

In this table, we can conclude that the node will influence the time. Because 2 cores and 3 cores have larger difference than 3 and 4. Which may result from the node. As the data transform between Nodes will cost more time.