

# Project 2 Report

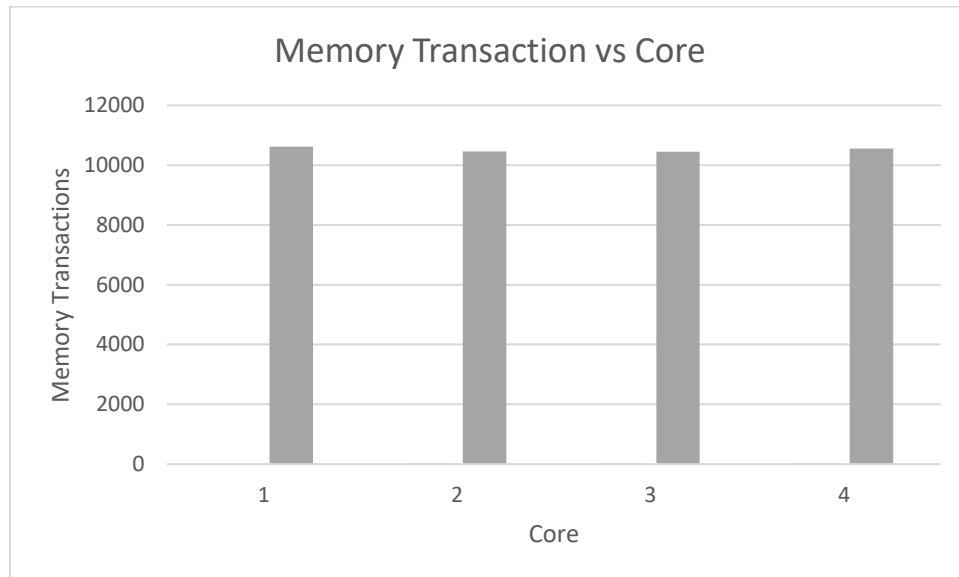
NAME – Shiraz Anwar Khan

UNITY ID – skhan25

## Q1. Plot of Memory Transactions for longTrace in Modified MSI protocol.

A.

Core	Mem Trans
0	10625
1	10457
2	10446
3	10558



## Q2. Comparison of Modified MSI and Dragon Protocol.

Ans. Following observations were made for modified msi and dragon protocols based on the results:

a. Miss Rate -

As in dragon protocol, if a block is already cached in one of the cores, instead of fetching the memory block from the memory, it fetches it from the cache which saves the memory transaction in invalidation and fetching it. Hence, we can observe from the simulation result that the miss rate has reduced significantly compared to MSI protocol.

MISS RATE				
	0	1	2	3
MSI	17.77	18.08	17.07	16.74
Dragon	7.72	7.73	7.43	7.62

