Advanced Database Systems
Assignment - 5

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1. Disk DB vs In memory DB

	100 rows	1,000 rows	100,000 rows	1,000,000 rows	10,000,000 rows
Q1	2.298738	2.185973	5.193384	7.049863	10.105084
Q2	4.703277	4.598532	7.035953	8.563249	13.254682
Q3	1.724791	2.564506	5.98059	7.863541	11.124586
Q4	2.747770	2.932713	6.340458	8.156298	12.365986
Q5	1.029411	2.085069	5.825887	7.562348	10.698562

2. Disk DB vs MariaDB Columnstore

	100 rows	1,000 rows	100,000 rows	1,000,000 rows	10,000,000 rows
Q1	0.005316	0.058306	0.037952	0.284975	0.789568
Q2	0.005216	0.034869	0.029385	0.356987	0.986854
Q3	0.005728	0.026698	0.048974	0.452136	0.812354
Q4	0.025680	0.079130	0.050462	0.568622	0.746215
Q5	0.140291	0.120461	0.054768	0.487592	0.845176

3. Disk DB vs MonetDB

	100 rows	1,000 rows	100,000 rows	1,000,000 rows	10,000,000 rows
Q1	3.476413	3.105252	5.47202	5.653268	6.154979
Q2	2.024105	2.112044	5.07319	4.562348	6.597623
Q3	2.645348	2.280652	4.536822	5.231659	7.474515
Q4	2.451553	2.283414	4.424935	4.235412	6.374879
Q5	2.978431	1.747163	3.983619	5.232686	7.481759

Link to the sql query scripts can be found here.