

ADVANCED DATABASE SYSTEMS

ASSIGNMENT 5: In-Memory Databases

SARTHAK CHAKRABORTY (16CS30044)

Disk Resident (InnoDB) / In-Memory

	100 rows	1,000 rows	100,000 rows	1,000,000 rows	10,000,000 rows
Q1	0.01/0.00	0.01/0.00	0.11/0.11	1.06/1.09	-/8.234
Q2	0.01/0.00	0.01/0.00	0.32/0.12	2.02/1.19	-/9.889
Q3	0.02/0.00	0.02/0.01	0.23/0.12	1.49/1.11	-/10.086
Q4	0.00/0.00	0.01/0.01	0.35/0.15	2.37/1.43	-/12.508
Q5	0.01/0.01	0.02/0.01	0.62/0.47	11.10/3.44	-/48.191

MariaDB / MonetDB

	100 rows	1,000 rows	100,000 rows	1,000,000 rows	10,000,000 rows
Q1	0.03/0.00	0.13/0.00	0.28/0.16	0.45/0.64	-/-
Q2	0.02/0.01	0.12/0.00	0.38/1.51	2.07/12.84	-/-
Q3	0.03/0.00	0.08/0.01	0.12/0.03	0.37/0.08	-/-
Q4	0.01/0.00	0.05/0.01	0.21/0.02	0.47/0.09	-/-
Q5	0.04/0.03	0.05/0.02	0.56/1.85	2.36/6.53	-/-

Note: (-) indicates that corresponding values were not generated since the system keeps hanging.
