DB Assignment 6

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Report

The results show a clear decrease in search time in point queries when making
use of indexes in databases. Search times are multiple times faster with indexing
since the database can traverse the b+ tree rather than iteratively search the
entire database.

Results

id	query_type	description	dataset_size	index_type	time_microseconds
1	Point		50000	No Index	3273.3
3	Point		50000	branch_name, account_type	749.4
5	Point		100000	No Index	6375.9
7	Point		100000	branch_name, account_type	1403.4
9	Point		150000	No Index	9566
11	Point		150000	branch_name, account_type	2353.9
2	Range		50000	No Index	4035.7
4	Range		50000	branch_name, account_type	4064.2
6	Range		100000	No Index	8079.6
8	Range		100000	branch_name, account_type	7941.6
10	Range		150000	No Index	12027.7
12	Range		150000	branch_name, account_type	11848.9