Lab 3 Part 4 Report

Part 4-1

Before

id select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
: :	Review	NULL	ALL	NULL	NULL	NULL	NULL	1120345	100.00	Using where

Run	Times (s)	Average	Standard Deviation
1	0.76	0.77	0.006519202
2	0.773		
3	0.776		
4	0.774		
5	0.767		

After

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	+ Extra +	İ
	SIMPLE	Review		index		review_date_idx					Using where; Using index	

Run	Times (s)	Average	Standard Deviation
1	0.242	0.2466	0.005683309
2	0.251		
3	0.25		
4	0.251		
5	0.239		

Part 4-2

Before

id select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1 SIMPLE 1 SIMPLE 1 SIMPLE	ud r b	NULL NULL NULL	ALL ALL ALL	NULL NULL NULL	NULL NULL NULL	NULL NULL NULL	NULL NULL NULL	765240 1120345 183269	10.00	Using where Using where; Using join buffer (hash join) Using where; Using join buffer (hash join)

Run	Times (s)	Average	Standard Deviation
1	1.416	1.4274	0.006730527
2	1.43		
3	1.427		
4	1.431		
5	1.433		

After

++ id	select_type	table	partitions	type	possible_keys	+	+ key_len	+ ref	rows	filtered	Extra	+
1	SIMPLE SIMPLE SIMPLE	r ud b	NULL NULL NULL	ref ALL ALL	review_user_id_business_id_idx NULL NULL	review_user_id_business_id_idx NULL NULL	90 NULL NULL	const	13 765240 183269	10.00	NULL Using where; Using join buffer (hash join) Using where; Using join buffer (hash join)	

Run	Times (s)	Average	Standard Deviation
1	0.59	0.5982	0.00626099
2	0.6		
3	0.606		
4	0.601		
5	0.594		