Ice Hockey Players Database

Group members: Hinduja Bikki(201601013) Subhadeep Dash (201601021)

TABLES USED:

- **1.** *ice_hockey_action_participants*(id, ice_hockey_action_play_id, person_id, participant_role, point_credit)
- 2. *ice_hockey_action_plays*(id, ice_hockey_event_state_id, play_type, score_attempt_type, play_result, comment)
- 3. ice_hockey_offensive_stats(id, goals_game_winning, goals_game_tying, goals_power_play, goals_short_handed, goals_even_strength, goals_empty_net, goals_overtime, goals_shootout, goals_penalty_shot, assists, points, power_play_amount, power_play_percentage, shots_penalty_shot_taken, shots_penalty_shot_missed, shots_penalty_shot_percentage, giveaways, minutes_power_play, faceoff_wins, faceoff_losses, faceoff_win_percentage, scoring_chances)
- **4.** *ice_hockey_defensive_stats*(id, shots_power_play_allowed, shots_penalty_shot_allowed, goals_power_play_allowed, goals_penalty_shot_allowed, goals_against_average, saves, save_percentage, penalty_killing_amount, penalty_killing_percentage, shots_blocked, takeaways, shutouts, minutes_penalty_killing, hits, goals_empty_net_allowed, goals_short_handed_allowed, goals_shootout_allowed, shots_shootout_allowed)
- 5. ice_hockey_player_stats(id, plus_minus)
- 6. ice_hockey_event_states(id, evnet_id, current_state, sequence_number, period_value, period_time_elapse, period_time_remaining, context)
- **7.** *stats*(id, stat_repository_type, stat_repository_id, stat_holder_type, stat_holder_id, stat_coverage_type, stat_coverage_id, context)

SETTING DATABASE:

mysql> USE MINI_PROJECT2;

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

CHANGE INDEX TYPE:

1. TO BTREE TYPE:

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_action_plays` DROP INDEX `id`, ADD INDEX `id` (`id`) USING BTREE;

Query OK, 51 rows affected (0.04 sec)

Records: 51 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_action_participants` DROP INDEX `id`, ADD INDEX `id` ('id`) USING BTREE;

Query OK, 138 rows affected (0.02 sec)

Records: 138 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_defensive_stats` DROP PRIMARY KEY, ADD PRIMARY KEY (`id`) USING BTREE;

Query OK, 46 rows affected (0.04 sec)

Records: 46 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_event_states` DROP PRIMARY KEY, ADD PRIMARY KEY (`id`) USING BTREE;

Query OK, 51 rows affected (0.03 sec)

Records: 51 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_event_states` DROP INDEX `FK_ice_hoc_eve_sta_eve_id__eve_id`, ADD INDEX `FK_ice_hoc_eve_sta_eve_id__eve_id` (`event_id`) USING BTREE;

Query OK, 51 rows affected (0.04 sec)

Records: 51 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_offensive_stats` DROP PRIMARY KEY, ADD PRIMARY KEY (`id`) USING BTREE;

Query OK, 839 rows affected (0.03 sec)

Records: 839 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_player_stats` DROP PRIMARY KEY, ADD PRIMARY KEY (`id`) USING BTREE;

Query OK, 817 rows affected (0.04 sec)

Records: 817 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP PRIMARY KEY, ADD PRIMARY KEY (`id`) USING BTREE;

Query OK, 9398 rows affected (0.13 sec)

Records: 9398 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_1`, ADD INDEX `IDX_stats_1` (`stat_repository_type`) USING BTREE;

Query OK, 9398 rows affected (0.12 sec)

Records: 9398 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_2`, ADD INDEX `IDX_stats_2` (`stat_repository_type`) USING BTREE;

Query OK, 9398 rows affected, 1 warning (0.13 sec)

Records: 9398 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_3`, ADD INDEX `IDX_stats_3` (`stat_repository_type`) USING BTREE;

Query OK, 9398 rows affected, 1 warning (0.12 sec)

Records: 9398 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_4`, ADD INDEX `IDX_stats_4` (`stat_repository_type`) USING BTREE;

Query OK, 9398 rows affected, 1 warning (0.15 sec)

Records: 9398 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_5`, ADD INDEX `IDX_stats_5` (`stat_repository_type`) USING BTREE;

Query OK, 9398 rows affected, 1 warning (0.11 sec)

Records: 9398 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_6`, ADD INDEX `IDX_stats_6` (`stat_repository_type`) USING BTREE;

Ouerv OK, 9398 rows affected, 1 warning (0.14 sec)

Records: 9398 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_7`, ADD INDEX `IDX_stats_7` (`stat_repository_type`) USING BTREE;

Query OK, 9398 rows affected, 1 warning (0.14 sec)

Records: 9398 Duplicates: 0 Warnings: 1

2. TO HASH TYPE:

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_action_plays` DROP INDEX `id`, ADD INDEX `id` (`id`) USING HASH;

Query OK, 51 rows affected (0.02 sec)

Records: 51 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_action_participants` DROP INDEX `id`, ADD INDEX `id` (`id`) USING HASH;

Query OK, 138 rows affected (0.04 sec)

Records: 138 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_defensive_stats` DROP PRIMARY KEY, ADD PRIMARY KEY (`id`) USING HASH;

Query OK, 46 rows affected (0.03 sec)

Records: 46 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_event_states` DROP PRIMARY KEY, ADD PRIMARY KEY (`id`) USING HASH;

Query OK, 51 rows affected (0.03 sec)

Records: 51 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_event_states` DROP INDEX `FK_ice_hoc_eve_sta_eve_id__eve_id`, ADD INDEX `FK_ice_hoc_eve_sta_eve_id__eve_id` (`event_id`) USING HASH;

Query OK, 51 rows affected (0.04 sec)

Records: 51 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_offensive_stats` DROP PRIMARY KEY, ADD PRIMARY KEY (`id`) USING HASH;

Query OK, 839 rows affected (0.04 sec)

Records: 839 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`ice_hockey_player_stats` DROP PRIMARY KEY, ADD PRIMARY KEY (`id`) USING HASH;

Query OK, 817 rows affected (0.04 sec)

Records: 817 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP PRIMARY KEY, ADD PRIMARY KEY (`id`) USING HASH;

Query OK, 9398 rows affected (0.13 sec)

Records: 9398 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_1`, ADD INDEX `IDX_stats_1` (`stat_repository_type`) USING HASH;

Query OK, 9398 rows affected (0.13 sec)

Records: 9398 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_2`, ADD INDEX `IDX_stats_2` (`stat_repository_type`) USING HASH;

Query OK, 9398 rows affected, 1 warning (0.11 sec)

Records: 9398 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_3`, ADD INDEX `IDX_stats_3` (`stat_repository_type`) USING HASH;

Query OK, 9398 rows affected, 1 warning (0.11 sec)

Records: 9398 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_4`, ADD INDEX `IDX_stats_4` (`stat_repository_type`) USING HASH;

Query OK, 9398 rows affected, 1 warning (0.12 sec)

Records: 9398 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_5`, ADD INDEX `IDX_stats_5` (`stat_repository_type`) USING HASH;

Query OK, 9398 rows affected, 1 warning (0.11 sec)

Records: 9398 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_6`, ADD INDEX `IDX_stats_6` (`stat_repository_type`) USING HASH;

Query OK, 9398 rows affected, 1 warning (0.12 sec)

Records: 9398 Duplicates: 0 Warnings: 1

mysql> ALTER TABLE `MINI_PROJECT2`.`stats` DROP INDEX `IDX_stats_7`, ADD INDEX `IDX_stats_7` (`stat_repository_type`) USING HASH;

Query OK, 9398 rows affected, 1 warning (0.14 sec)

Records: 9398 Duplicates: 0 Warnings: 1

QUERIES:

1.Obtaining id, role, scroing attempt type and remaining time of all people associated with the ice hockey events.

WITH B TREE INDICES:

Query:

✓ Showing rows 0 - 24 (138 total, Query took 0.0011 seconds.)

SELECT ice hockey action participants.person id, ice hockey action participants.participant role, ice hockey action plays.score attempt type, ice hockey event states.period time remaining FROM ice hockey event states JOIN ice hockey action plays ON ice hockey event states.id = ice hockey action plays.ice hockey event state id JOIN ice hockey action participants ON ice hockey action plays.id = ice hockey action participants.ice hockey action play id

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

		Query Pla									
id	select_type	table			possible_keys	key	key_len	ref	rows	filtered	Extra
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1	SIMPLE	ice_hockey_event_st	ates /	VULL eq_re	f PRIMARY	PRIMARY	4	MINI_PROJECT2.ice_hockey_action_plays.ice_hockey_e	1	100.00	
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		•	goal	-	gular		18:12				
		1	assist	•	gular		8:12				
		•	assist	•	gular		8:12				
		•	goal	•	gular		11:40	1			
		•	assist	•	gular		1:40				
		1825	goal	re	gular	1	14:30				
		1826	assist	re	gular	1	4:30				
		1827	assist	re	gular	1	4:30				
		1828	goal	re	gular	2	2:41				
		1829	assist	re	gular	2	2:41				
		1830	assist	re	gular	2	2:41				
		1862	goal	po	ower-play		8:47				
		1863	assist	po	wer-play		8:47				
		1864	assist	po	wer-play		8:47				
		1865	goal	re	gular	1	15:02				
		1866	assist	re	gular	1	5:02				
		1867	assist	re	gular	1	5:02				
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2210 assist power-play 6:35 2209 goal power-play 6:35 2214 assist regular 0:10 2213 assist regular 0:10 2212 goal regular 0:10 1972 goal power-play 18:42 1973 assist power-play 18:42 1974 assist power-play 18:42 1975 goal regular 3:14 1976 assist regular 3:14 1977 assist regular 3:14 1978 goal power-play 17:27 1980 assist power-play 17:27 1980 assist regular 13:56 1982 assist regular 13:56 1983 assist regular 13:56 1984 goal power-play 1:34 1985 assist regular 15:25 2168 assist regular 15:25 2167 goal regular 4:16 2170 goal regular 4:16 2170 goal regular 4:16 2174 assist short-handed 12:19 2173 goal short-handed 12:19	2206	goal	power-play	14:54	
2209 goal power-play 6:35 2214 assist regular 0:10 2213 assist regular 0:10 1972 goal power-play 18:42 1973 assist power-play 18:42 1974 assist power-play 18:42 1975 goal regular 3:14 1976 assist regular 3:14 1977 assist regular 3:14 1978 goal power-play 17:27 1980 assist power-play 17:27 1980 assist regular 13:56 1982 assist regular 13:56 1983 assist regular 13:56 1984 goal power-play 17:25 1986 assist regular 13:56 1987 assist regular 13:56 1988 assist regular 13:56 1988 assist regular 13:56 1981 assist regular 13:56 1982 assist regular 13:56 1984 goal power-play 1:34 1985 assist regular 15:25 2167 goal regular 15:25 2167 goal regular 4:16 2171 assist regular 4:16 2171 assist regular 4:16 2174 assist short-handed 12:19 2173 goal short-handed 12:19	2211	assist	power-play	6:35	
2214 assist	2210	assist	power-play	6:35	
2213 assist regular 0:10 2212 goal regular 0:10 1972 goal power-play 18:42 1973 assist power-play 18:42 1974 assist power-play 18:42 1975 goal regular 3:14 1976 assist regular 3:14 1977 assist regular 3:14 1978 goal power-play 17:27 1979 assist power-play 17:27 1980 assist power-play 17:27 1981 goal regular 13:56 1982 assist regular 13:56 1983 assist regular 13:56 1984 goal power-play 1:34 1985 assist regular 15:25 2168 assist regular 15:25 2167 goal regular 15:25 2172 assist regular 4:16 2171 assist regular 4:16 2170 goal regular 4:16 2174 assist short-handed 12:19			power-play	6:35	
2212 goal	2214	assist	regular	0:10	
1972 goal	2213	assist		0:10	
1973 assist	2212	goal	regular	0:10	
1974 assist	1972	goal	power-play	18:42	
1975 goal	1973	assist	power-play	18:42	
1976 assist	1974	assist	power-play	18:42	
1977 assist	1975	goal	regular	3:14	
1978 goal power-play 17:27 1979 assist power-play 17:27 1980 assist power-play 17:27 1981 goal regular 13:56 1982 assist regular 13:56 1983 assist regular 13:56 1984 goal power-play 1:34 1985 assist power-play 1:34 2169 assist regular 15:25 2168 assist regular 15:25 2167 goal regular 15:25 2172 assist regular 4:16 2171 assist regular 4:16 2170 goal regular 4:16 2174 assist short-handed 12:19 2173 goal short-handed 12:19	1976	assist	regular	3:14	
1979 assist power-play 17:27 1980 assist power-play 17:27 1981 goal regular 13:56 1982 assist regular 13:56 1983 assist regular 13:56 1984 goal power-play 1:34 1985 assist power-play 1:34 2169 assist regular 15:25 2168 assist regular 15:25 2167 goal regular 15:25 2172 assist regular 4:16 2171 assist regular 4:16 2174 assist short-handed 12:19 2173 goal short-handed 12:19	1977	assist	regular	3:14	
1980 assist power-play 17:27 1981 goal regular 13:56 1982 assist regular 13:56 1983 assist regular 13:56 1984 goal power-play 1:34 1985 assist power-play 1:34 2169 assist regular 15:25 2168 assist regular 15:25 2167 goal regular 15:25 2172 assist regular 4:16 2171 assist regular 4:16 2170 goal regular 4:16 2174 assist short-handed 12:19 2173 goal short-handed 12:19	1978	goal	power-play	17:27	
1981 goal regular 13:56 1982 assist regular 13:56 1983 assist regular 13:56 1984 goal power-play 1:34 1985 assist power-play 1:34 2169 assist regular 15:25 2168 assist regular 15:25 2167 goal regular 15:25 2172 assist regular 4:16 2171 assist regular 4:16 2170 goal regular 4:16 2174 assist short-handed 12:19 2173 goal short-handed 12:19	1979	assist	power-play	17:27	
1982 assist	1980	assist	power-play	17:27	
1983 assist regular 13:56 1984 goal power-play 1:34 1985 assist power-play 1:34 2169 assist regular 15:25 2168 assist regular 15:25 2167 goal regular 15:25 2172 assist regular 4:16 2171 assist regular 4:16 2170 goal regular 4:16 2174 assist short-handed 12:19 2173 goal short-handed 12:19	1981	goal	regular	13:56	
1984 goal power-play 1:34 1985 assist power-play 1:34 2169 assist regular 15:25 2168 assist regular 15:25 2167 goal regular 15:25 2172 assist regular 4:16 2171 assist regular 4:16 2170 goal regular 4:16 2174 assist short-handed 12:19 2173 goal short-handed 12:19	1982	assist	regular	13:56	
1985 assist power-play 1:34	1983	assist	regular	13:56	ĺ
1985 assist power-play 1:34	1984	goal	power-play	1:34	i l
2168 assist regular 15:25	1985			1:34	ĺ
2167 goal regular 15:25	2169	assist	regular	15:25	
2172 assist regular 4:16	2168	assist	regular	15:25	ĺ
2172 assist regular 4:16				15:25	
2171 assist regular 4:16				4:16	Ī
2170 goal regular 4:16				•	j
2174 assist short-handed 12:19 2173 goal short-handed 12:19				4:16	
2173 goal short-handed 12:19				12:19	·
				12:19	j
		_	regular	5:20	'
	·				

			_			
		assist	regular	5:20	ļ	
	2175	_	regular	5:20		
		assist	short-handed	2:21		ļ
	2178	_	short-handed	2:21		
	2137		regular	13:59		
		assist	regular	13:59		
		assist	regular	13:59		
	2139		regular	13:26		
	2140	assist	regular	13:26		
	2141	assist	regular	13:26		
	3548	goal	regular	4:19		
	3549	assist	regular	4:19		
	3550	assist	regular	4:19		
	3551	goal	regular	1:51		
	3552	assist	regular	1:51		
	3553	assist	regular	1:51		
	3554	goal	regular	7:24		
	3555	assist	regular	7:24		
ĺ	3556	assist	regular	7:24	İ	
ĺ	3746		regular	18:37	İ	
ĺ		assist	regular	18:37	Ĺ	
ĺ	3748	assist	regular	18:37	İ	
ĺ	3749	goal	power-play	16:39	·	
ĺ		assist	power-play	16:39		İ
ĺ	3751	assist	power-play	16:39		İ
ĺ	3752		regular	10:17		•
ĺ		assist	regular	10:17	İ	
ĺ	3754	assist	regular	10:17	İ	
ĺ	3755		regular	1:39	Ĺ	
ĺ	3756	assist	regular	1:39	Ĺ	
ĺ	3757	assist	regular	1:39	İ	
ĺ	3758	goal	regular	10:37	Ì	
	3759	assist	regular	10:37		
	3760	goal	regular	15:40		
ĺ	3761	goal	power-play	0:47		
ĺ	3776	_	regular	15:47		
ĺ	3779	assist	regular	15:47	ĺ	
ĺ	3780	assist	regular	15:47	ĺ	
ĺ	3774		short-handed	15:59	-	
ĺ	3781	assist	short-handed	15:59		İ
ĺ		assist	short-handed	15:59		İ
ĺ	3925		regular	7:31		
ĺ			regular	7:31	İ	
İ		assist	regular	7:31	i	
	3928		regular	11:57	ï	
		assist	regular	11:57	j	
		assist	regular	11:57	j	
		assist	power-play	4:08	1	I
	3936		power-play	4:08		i
	3933		power-play	18:27		Ϊ.
			power-play	18:27		i
			power-play	18:27		
		200206	i For Pray	1 20.27		ı

```
+-----+
138 rows in set (0.01 sec)

mysql> SHOW STATUS LIKE "last_query_cost";
+-----+
| Variable_name | Value |
+-----+
| Last_query_cost | 1485.472635 |
+-----+
1 row in set (0.00 sec)

WITH HASH INDICES:

Query:
```

Showing rows 0 - 24 (138 total, Query took 0.0007 seconds.)

1868 | goal

regular

SELECT ice hockey action participants.person_id, ice hockey action participants.participant_role, ice hockey_action_plays.score_attempt_type,
ice_hockey_event_states.period_time_remaining_FROM ice_hockey_event_states_JOIN ice_hockey_action_plays_ON ice_hockey_event_states.id =
ice_hockey_action_plays.ice_hockey_event_state_id_JOIN_ice_hockey_action_participants_ON ice_hockey_action_plays.id =
ice_hockey_action_participants.ice_hockey_action_play_id

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

id	select_type	table	partitions typ	e possible_keys	key	key_len	ref	rows	filtered	Extra	
1	SIMPLE	ice_hockey_action_plays	NULL ALL	id	NULL	NULL	NULL	51	100.00		NULL
1	SIMPLE	ice_hockey_event_states	NULL eq	ref PRIMARY	PRIMARY	4	MINI_PROJECT2.ice_hockey_action_plays.ice_hockey_e	1	100.00		NULL
1	SIMPLE	ice_hockey_action_participan	ts NULL ALL	NULL	NULL	NULL	. NULL	138	10.00	Using where; Using join buffer (Block Nested Loop)	
		1821 assi	st r	egular	1	8:12					
		1822 assi		egular	1	8:12	1				
		1823 goa	•	egular		1:40					
		1824 assi	•	egular		1:40					
		1825 goa		egular		14:30					
		1826 assi		egular		4:30					
		1827 assi		egular		4:30					
		1828 goa	•	egular	2	2:41					
		1829 assi	•	egular	2	2:41					
		1830 assi	•	egular	2	2:41					
		1862 goa	[]	ower-play		8:47	7				
		1863 assi	st I	ower-play		8:47	7				
		1864 assi		ower-play		8:47	7				
		1865 goa	1	egular	1	15:02					
		1866 assi	st r	egular	1	5:02	1				
		1867 assi	st r	egular	1	5:02	ľ				

| 11:06

ı	1869	assist	regular	11:06	
ĺ		assist	regular	11:06	į
ĺ	1871		regular	17:31	į
ĺ		assist	regular	17:31	İ
ĺ		assist	regular	17:31	į
ĺ	1874	•	power-play	6:41	.
ĺ			power-play	6:41	İ
ĺ			power-play	6:41	į
ĺ	1877		power-play	1:52	j
ĺ			power-play	1:52	İ
ĺ		assist	power-play	1:52	į
ĺ	1880	•	empty-net	0:25	Ĺ
ĺ	1924	goal	power-play	17:39	İ
ĺ	1925	assist	power-play	17:39	ĺ
ĺ	1926	assist	power-play	17:39	į
ĺ	1927	goal	regular	14:32	
ĺ	1928	assist	regular	14:32	ĺ
ĺ	1929		regular	9:22	Ĺ
ĺ	1930	assist	regular	9:22	ĺ
ĺ	1931	assist	regular	9:22	j
ĺ	1932	goal	regular	6:23	j
ĺ		assist	regular	6:23	ĺ
ĺ	2197	assist	regular	9:40	j
ĺ	2196	assist	regular	9:40	j
ĺ	2195	goal	regular	9:40	j
ĺ		assist	short-handed	8:06	· 1
ĺ	2198	goal	short-handed	8:06	Ì
ĺ	2202	assist	power-play	4:06	ĺ
ĺ	2201	assist	power-play	4:06	İ
ĺ	2200	goal	power-play	4:06	Ì
	2205	assist	regular	18:44	
ĺ		assist	regular	18:44	ĺ
	2203	goal	regular	18:44	
	2208	assist	power-play	14:54	
	2207	assist	power-play	14:54	
	2206	goal	power-play	14:54	
	2211	assist	power-play	6:35	
	2210	assist	power-play	6:35	
	2209		power-play	6:35	
	2214	assist	regular	0:10	
	2213	assist	regular	0:10	
	2212		regular	0:10	
	1972	_	power-play	18:42	
		assist	power-play	18:42	
			power-play	18:42	
	1975		regular	3:14	
			regular	3:14	
			regular	3:14	
	1978		power-play	17:27	
			power-play	17:27	
			power-play	17:27	
	1981	goal	regular	13:56	

1982	assist	regular	13:56	
	assist	regular	13:56	İ
1984	goal	power-play	1:34	·
1985	assist	power-play	1:34	İ
2169	assist	regular	15:25	ا
2168	assist	regular	15:25	İ
2167	goal	regular	15:25	İ
	assist	regular	4:16	
2171	assist	regular	4:16	
2170		regular	4:16	
2174	assist	short-handed	12:19	
2173	goal	short-handed	12:19	
2177	assist	regular	5:20	
2176	assist	regular	5:20	
2175	goal	regular	5:20	
2179	assist	short-handed	2:21	
2178	goal	short-handed	2:21	
2137	goal	regular	13:59	
2134	assist	regular	13:59	
2138	assist	regular	13:59	
2139	goal	regular	13:26	
2140	assist	regular	13:26	
2141	assist	regular	13:26	
3548	goal	regular	4:19	
3549	assist	regular	4:19	
	assist	regular	4:19	
3551		regular	1:51	
3552	assist	regular	1:51	
	assist	regular	1:51	
3554	goal	regular	7:24	
	assist	regular	7:24	
	assist	regular	7:24	
3746	_	regular	18:37	
	assist	regular	18:37	
	assist	regular	18:37	
3749		power-play	16:39	
	assist	power-play	16:39	
	assist	power-play	16:39	
3752		regular	10:17	
	assist	regular	10:17	
	assist	regular	10:17	
3755		regular	1:39	
	assist	regular	1:39	
	assist	regular	1:39	
3758		regular	10:37	
	assist	regular	10:37	
3760		regular	15:40	١, ١
3761		power-play	0:47	<u> </u>
3776	_	regular	15:47	
	assist	regular	15:47	
	assist	regular	15:47	Ι.
3774	goal	short-handed	15:59	

	3781 assist	short-handed	15:59	
	3782 assist	short-handed	15:59	
	3925 goal	regular	7:31	
	3926 assist	regular	7:31	
	3927 assist	regular	7:31	
	3928 goal	regular	11:57	
	3929 assist	regular	11:57	
	3930 assist	regular	11:57	
	3937 assist	power-play	4:08	
	3936 goal	power-play	4:08	
	3933 goal	power-play	18:27	
	3934 assist	power-play	18:27	
	3935 assist	power-play	18:27	
+	+	+	+	+

138 rows in set (0.01 sec)

```
mysql> SHOW STATUS LIKE "last_query_cost";
```

+----+

| Variable_name | Value |

+----+

| Last_query_cost | 1485.472635 |

+----+

1 row in set (0.00 sec)

DROPPING ALL INDICES:

Query:

SELECT ice hockey_action_participants.person_id, ice_hockey_action_participants.person_id, nline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Query Plan:

id	select_type	table	partitions	type	possible_k	eys	key I	key_len	ref	rows	filtered	Extra
1	SIMPLE	ice_hockey_action_plays	NULL	ALL	id		NULL	NULL	NULL	51	100.00	NULL
1	SIMPLE	ice_hockey_event_states	NULL	eq_ref	PRIMARY		PRIMARY 4	1	TEST.ice_hockey_action_plays.ice_hockey_event_stat	1	100.00	NULL
1	SIMPLE	ice_hockey_action_participants	NULL	ALL		WULL	NULL	NULL	NULL	138	10.00	Using where; Using join buffer (Block Nested Loop)

Terminal:

mysql> SELECT ice_hockey_action_participants.person_id, ice_hockey_action_participants.participant_role, ice_hockey_action_plays.score_attempt_type,

ice hockey event states.period time remaining FROM ice hockey event states JOIN ice hockey action plays ON ice hockey event states.id = ice_hockey_action_plays.ice_hockey_event_state_id JOIN ice_hockey_action_participants ON ice hockey action plays.id = ice hockey action participants.ice hockey action play id; | person_id | participant_role | score_attempt_type | period_time_remaining | | power-play 17:54 1817 | goal 1818 | assist power-play 7:54 1819 | assist power-play 7:54 1820 | goal regular | 18:12 1821 | assist regular 18:12 regular 1822 | assist | 18:12 1823 | goal regular | 11:40 1824 | assist regular | 11:40 regular 1825 | goal 14:30 1826 | assist regular | 14:30 1827 | assist | regular | 14:30 1828 | goal | regular | 2:41 1829 | assist regular 2:41 1830 | assist regular | 2:41 1862 | goal power-play 8:47 1863 | assist power-play 8:47 1864 | assist power-play 8:47 1865 | goal regular | 15:02 1866 | assist regular | 15:02 1867 | assist regular | 15:02 | 11:06 1868 | goal regular 1869 | assist regular | 11:06 1870 | assist regular | 11:06 1871 | goal regular | 17:31 1872 | assist regular | 17:31 1873 | assist regular | 17:31 1874 | goal power-play | 6:41 power-play 1875 | assist 6:41 1876 | assist power-play 6:41 1877 | goal power-play 1:52 1878 | assist power-play 1:52 1879 | assist power-play | 1:52 empty-net 1880 | goal 0:25 1924 | goal power-play | 17:39 1925 | assist power-play | 17:39 | 17:39 1926 | assist power-play 1927 | goal regular | 14:32 1928 | assist | regular | 14:32 1929 | goal regular 9:22 1930 | assist regular 9:22 1931 | assist regular 9:22 1932 | goal regular 6:23 1933 | assist regular 6:23

2197 | assist

2196 | assist

regular

regular

9:40

9:40

	2195		regular	9:40	1
		assist	short-handed		
	2198	_	short-handed	8:06	
		assist	power-play	4:06	
			power-play	4:06	
	2200		power-play	4:06	
		assist	regular	18:44	
			regular	18:44	
	2203		regular	18:44	
			power-play	14:54	
			power-play	14:54	
	2206		power-play	14:54	
			power-play	6:35	
	2210	assist	power-play	6:35	
	2209		power-play	6:35	
			regular	0:10	
	2213		regular	0:10	
	2212	goal	regular	0:10	
	1972	goal	power-play	18:42	
			power-play	18:42	
	1974		power-play	18:42	
	1975		regular	3:14	
		assist	regular	3:14	
	1977	assist	regular	3:14	
	1978	goal	power-play	17:27	
	1979	assist	power-play	17:27	
	1980	assist	power-play	17:27	
	1981	goal	regular	13:56	
	1982	assist	regular	13:56	
	1983	assist	regular	13:56	
	1984	goal	power-play	1:34	
	1985	assist	power-play	1:34	
	2169	assist	regular	15:25	
	2168	assist	regular	15:25	
	2167	goal	regular	15:25	
	2172	assist	regular	4:16	
	2171	assist	regular	4:16	
	2170	goal	regular	4:16	
	2174	assist	short-handed	12:19	
	2173	goal	short-handed	12:19	
	2177	assist	regular	5:20	
	2176	assist	regular	5:20	
ĺ	2175	goal	regular	5:20	
ĺ	2179	assist	short-handed	2:21	i I
Ì	2178	goal	short-handed	2:21	İ
İ	2137		regular	13:59	1
i		assist	regular	13:59	İ
İ		assist	regular	13:59	j
İ	2139	•	regular	13:26	j
i		assist	regular	13:26	İ
i		assist	regular	13:26	j
i	3548		regular	4:19	İ
'	!			•	•

3549	assist	regular	4:	:19	ĺ	
3550		regular	4:	:19	i	
3551		regular	1:	:51	i	
3552		regular	1:	:51	İ	
3553		regular	1:	:51	İ	
3554		regular	7:	:24	į	
3555		regular	7:	:24	İ	
3556		regular	7:	:24	i	
3746		regular	1	8:37		
3747		regular	i 18	8:37	İ	
3748		regular	18	8:37	İ	
3749	goal	power-play		16:39	·	
3750	_	power-play		16:39	İ	
3751	assist	power-play	ĺ	16:39	İ	
3752		regular	1	0:17		
3753	assist	regular	10	0:17	ĺ	
3754	assist	regular	10	0:17		
3755	goal	regular	1	:39		
3756	assist	regular	1:	:39	ĺ	
3757	assist	regular	1:	:39	İ	
3758	goal	regular	1	0:37		
3759	assist	regular	10	0:37		
3760	goal	regular	1	5:40		
3761	goal	power-play		0:47		
3776	goal	regular	1	5:47		
3779	assist	regular	15	5:47		
3780	assist	regular	15	5:47		
3774	goal	short-handed		15:59		
3781	assist	short-handed		15:59		
3782	assist	short-handed		15:59		
3925	goal	regular	7	:31		
3926		regular	7:	:31		
3927	assist	regular	7:	:31		
3928		regular	1	1:57		
3929	assist	regular	1	1:57	ĺ	
3930	assist	regular	11	1:57		
3937	assist	power-play		4:08		
3936	goal	power-play		4:08	Ì	
3933	goal	power-play		18:27		
3934	assist	power-play	ĺ	18:27	İ	
3935		power-play	ĺ	18:27	İ	
		+		+		
8 rows ii	n set (0.04 se	c)				

```
mysql> SHOW STATUS LIKE "last_query_cost";
+-----+
+-----+
| Last query cost | Cost
| Variable_name | Value
| Last_query_cost | 1485.472635 |
+----+
1 row in set (0.01 sec)
```

2.Obtaining offensive statistics of all people related to ice_hockey. WITH B TREE INDICES: Query:

✓ Showing rows 0 - 24 (93 total, Query took 0.0761 seconds.)

SELECT person_id, ice_hockey_offensive_stats.id, stat_repository_type, goals_game_winning FROM stats INNER JOIN ice_hockey_offensive_stats ON stat_repository_id = ice_hockey_offensive_stats.id INNER JOIN ice_hockey_action_participants ON person_id = stat_holder_id WHERE stat_repository_type = "ice_hockey_offensive_stats" AND stats.stat holder type = "persons"

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Query Plan:

id	select_type	table	partitions	type	possible_keys	key	key_le	n ref	rows	filtered	Extra
1	SIMPLE	stats	NULL	ref	IDX_stats_1,IDX_stats_2,IDX_stats_3,IDX_stats_4,ID	IDX_stats	1 103	const	798	10.00	Using where
1	SIMPLE	ice_hockey_offensive_stats	NULL	eq_ref	PRIMARY	PRIMARY	4	MINI_PROJECT2.stats.stat_repository_id	1	100.00	NULL
1	SIMPLE	ice_hockey_action_participants	NULL	ALL	NU	LL NU	LL NU	ILL NULI	138		Using where; Using join buffer (Block Nested Loop)

Terminal:

mysql> SELECT person_id, ice_hockey_offensive_stats.id, stat_repository_type, goals_game_winning FROM stats INNER JOIN ice_hockey_offensive_stats ON stat_repository_id = ice_hockey_offensive_stats.id INNER JOIN ice_hockey_action_participants ON person_id = stat_holder_id WHERE stat_repository_type = "ice_hockey_offensive_stats" AND stats.stat_holder_type = "persons";

+----+----+ | person_id | id | stat_repository_type | goals_game_winning | 1817 | 4 | ice_hockey_offensive_stats | 0 1818 | 7 | ice_hockey_offensive_stats | 0 1819 | 8 | ice_hockey_offensive_stats | 0 3 | ice hockey offensive stats | 0 1821 | 1822 | 5 | ice hockey offensive stats | 0 1823 | 28 | ice_hockey_offensive_stats | 0 1823 | 48 | ice hockey offensive stats | 0 1824 | 25 | ice_hockey_offensive_stats | 0 1824 | 50 | ice hockey offensive stats | 0 1825 | 22 | ice_hockey_offensive_stats | 1 1825 | 45 | ice_hockey_offensive_stats | 1 1826 | 24 | ice_hockey_offensive_stats | 0 1826 | 47 | ice_hockey_offensive_stats | 0 1827 | 26 | ice_hockey_offensive_stats | 0 1827 | 55 | ice_hockey_offensive_stats | 0 1829 | 27 | ice_hockey_offensive_stats | 0 1829 | 49 | ice hockey offensive stats | 0 1830 | 23 | ice_hockey_offensive_stats | 0 1830 | 53 | ice_hockey_offensive_stats | 0 1863 | 70 | ice_hockey_offensive_stats | 0

```
1863 | 108 | ice_hockey_offensive_stats | 0
       72 | ice hockey offensive stats | 0
1864
1864 | 109 | ice_hockey_offensive_stats | 0
1865
       69 | ice hockey offensive stats | 0
1865 | 107 | ice_hockey_offensive_stats | 0
       73 | ice_hockey_offensive_stats | 1
1868 |
1868 | 120 | ice_hockey_offensive_stats | 1
       89 | ice_hockey_offensive_stats | 0
1871 |
1871 | 136 | ice_hockey_offensive_stats | 0
1872 |
       88 | ice_hockey_offensive_stats | 0
1872 | 142 | ice_hockey_offensive_stats | 0
       90 | ice_hockey_offensive_stats | 0
1873 | 140 | ice_hockey_offensive_stats | 0
1879 |
       91 | ice_hockey_offensive_stats | 0
1879 | 135 | ice_hockey_offensive_stats | 0
1975 | 313 | ice_hockey_offensive_stats | 0
1975 | 701 | ice_hockey_offensive_stats | 0
1976 | 314 | ice_hockey_offensive_stats | 0
1976 | 696 | ice hockey offensive stats | 0
1977
       312 | ice_hockey_offensive_stats | 0
1977 | 697 | ice_hockey_offensive_stats | 0
1978 |
       316 | ice_hockey_offensive_stats | 0
1978 | 690 | ice_hockey_offensive_stats | 0
       315 | ice hockey offensive stats | 0
1979
1979 | 691 | ice_hockey_offensive_stats | 1
2137 | 530 | ice hockey offensive stats | 0
2134 | 531 | ice hockey offensive stats | 0
2138 | 529 | ice_hockey_offensive_stats | 0
2139 | 510 | ice_hockey_offensive_stats | 0
2140 | 512 | ice_hockey_offensive_stats | 0
2141 | 511 | ice hockey offensive stats | 0
3548 | 823 | ice_hockey_offensive_stats | 1
3548 | 849 | ice_hockey_offensive_stats | 1
3549 | 824 | ice_hockey_offensive_stats | 0
3549 | 858 | ice_hockey_offensive_stats | 0
3550 | 829 | ice_hockey_offensive_stats | 0
       847 | ice_hockey_offensive_stats | 1
3550
3551 | 828 | ice hockey offensive stats | 0
3551 | 842 | ice hockey offensive stats | 2
3552 | 826 | ice_hockey_offensive_stats | 0
       844 | ice_hockey_offensive_stats | 0
3552
3554 | 827 | ice_hockey_offensive_stats | 0
3554 | 845 | ice_hockey_offensive_stats | 0
3556 | 825 | ice_hockey_offensive_stats | 0
3556 | 857 | ice_hockey_offensive_stats | 0
3746
       895 | ice hockey offensive stats | 0
3746 | 931 | ice_hockey_offensive_stats | 1
3747 | 893 | ice_hockey_offensive_stats | 0
3747
       934 | ice_hockey_offensive_stats | 0
       896 | ice_hockey_offensive_stats | 0
3748 |
3748 | 935 | ice hockey offensive stats | 0
3750 | 900 | ice_hockey_offensive_stats | 0
```

```
3750 | 941 | ice hockey offensive stats | 0
    3751 | 899 | ice hockey offensive stats | 0
    3751 | 939 | ice_hockey_offensive_stats | 0
    3755 | 894 | ice hockey offensive stats | 1
    3755 | 933 | ice_hockey_offensive_stats | 1
    3756 | 897 | ice_hockey_offensive_stats | 0
    3756 | 936 | ice_hockey_offensive_stats | 1
    3757 | 892 | ice_hockey_offensive_stats | 0
    3757 | 932 | ice hockey offensive stats | 2
    3760 | 898 | ice_hockey_offensive_stats | 0
    3760 | 940 | ice_hockey_offensive_stats | 0
    3776 | 1006 | ice hockey offensive stats | 0
    3776 | 1052 | ice_hockey_offensive_stats | 1
    3780 | 1007 | ice hockey offensive stats | 0
    3780 | 1050 | ice_hockey_offensive_stats | 2
    3774 | 987 | ice_hockey_offensive_stats | 0
    3774 | 1029 | ice_hockey_offensive_stats | 1
    3781 | 988 | ice_hockey_offensive_stats | 0
    3781 | 1032 | ice hockey offensive stats | 0
    3782 | 989 | ice_hockey_offensive_stats | 0
    3782 | 1038 | ice_hockey_offensive_stats | 0
93 rows in set (0.04 sec)
mysql> SHOW STATUS LIKE "last_query_cost";
+----+
| Variable name | Value
+----+
| Last_query_cost | 2992.068216 |
+----+
1 row in set (0.00 \text{ sec})
```

WITH HASH INDICES:

Query:

✓ Showing rows 0 - 24 (93 total, Query took 0.0074 seconds.)

SELECT person_id, ice hockey_offensive_stats.id, stat_repository_type, goals_game_winning_FROM_stats_INNER_JOIN ice_hockey_offensive_stats_ON stat_repository_id = ice_hockey_offensive_stats.id_INNER_JOIN ice_hockey_action_participants_ON person_id = stat_holder_id_WHERE_stat_repository_type = "ice_hockey_offensive_stats" AND stats.stat_holder_type = "persons"

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Query Plan:

4	uci j	- Idili									
id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	stats	NULL	ref	IDX_stats_1,IDX_stats_2,IDX_stats_3,IDX_stats_4,ID	IDX_stats_1	103	const	798	10.00	Using where
1	SIMPLE	ice_hockey_offensive_stats	NULL	eq_ref	PRIMARY	PRIMARY	4	MINI_PROJECT2.stats.stat_repository_id	1	100.00	NULL
1	SIMPLE	ice_hockey_action_participants	NULL	ALL	NULL	NULL	NULL	NULL	138		Using where; Using join buffer

Terminal:

SELECT person_id, ice_hockey_offensive_stats.id, stat_repository_type, goals_game_winning FROM stats INNER JOIN ice_hockey_offensive_stats ON stat_repository_id = ice_hockey_offensive_stats.id INNER JOIN ice_hockey_action_participants ON person_id = stat_holder_id WHERE stat_repository_type = "ice_hockey_offensive_stats" AND stats.stat_holder_type = "persons";

```
| person_id | id | stat_repository_type
                                          goals_game_winning
            4 | ice_hockey_offensive_stats | 0
    1817 |
    1818 |
            7 | ice hockey offensive stats | 0
            8 | ice_hockey_offensive_stats | 0
    1819
    1821 |
            3 | ice hockey offensive stats | 0
            5 | ice_hockey_offensive_stats | 0
    1822 |
            28 | ice_hockey_offensive_stats | 0
    1823 |
    1823 |
            48 | ice_hockey_offensive_stats | 0
    1824 |
            25 | ice_hockey_offensive_stats | 0
            50 | ice hockey offensive stats | 0
    1824
    1825
            22 | ice_hockey_offensive_stats | 1
    1825 |
           45 | ice_hockey_offensive_stats | 1
    1826 |
            24 | ice_hockey_offensive_stats | 0
    1826
           47 | ice_hockey_offensive_stats | 0
    1827
            26 | ice hockey offensive stats | 0
            55 | ice_hockey_offensive_stats | 0
    1827 |
    1829 |
            27 | ice hockey offensive stats | 0
           49 | ice hockey offensive stats | 0
    1829
            23 | ice_hockey_offensive_stats | 0
    1830
           53 | ice_hockey_offensive_stats | 0
    1830 |
    1863 | 70 | ice_hockey_offensive_stats | 0
    1863 | 108 | ice hockey offensive stats | 0
    1864 | 72 | ice_hockey_offensive_stats | 0
    1864 | 109 | ice_hockey_offensive_stats | 0
    1865 | 69 | ice_hockey_offensive_stats | 0
    1865 | 107 | ice_hockey_offensive_stats | 0
    1868
           73 | ice_hockey_offensive_stats | 1
    1868 | 120 | ice_hockey_offensive_stats | 1
    1871 | 89 | ice hockey offensive stats | 0
    1871 | 136 | ice hockey offensive stats | 0
    1872 | 88 | ice_hockey_offensive_stats | 0
    1872 | 142 | ice_hockey_offensive_stats | 0
    1873 | 90 | ice hockey offensive stats | 0
    1873 | 140 | ice_hockey_offensive_stats | 0
    1879 | 91 | ice_hockey_offensive_stats | 0
    1879 | 135 | ice_hockey_offensive_stats | 0
    1975 | 313 | ice hockey offensive stats | 0
    1975 | 701 | ice_hockey_offensive_stats | 0
    1976 | 314 | ice_hockey_offensive_stats | 0
    1976 | 696 | ice hockey offensive stats | 0
    1977 | 312 | ice hockey offensive stats | 0
    1977 | 697 | ice hockey offensive stats | 0
    1978 | 316 | ice_hockey_offensive_stats | 0
```

```
1978 | 690 | ice_hockey_offensive_stats | 0
       315 | ice hockey offensive stats | 0
1979 |
1979 | 691 | ice_hockey_offensive_stats | 1
2137 | 530 | ice hockey offensive stats | 0
2134 | 531 | ice_hockey_offensive_stats | 0
2138 | 529 | ice_hockey_offensive_stats | 0
2139 | 510 | ice_hockey_offensive_stats | 0
2140 | 512 | ice_hockey_offensive_stats | 0
2141 | 511 | ice_hockey_offensive_stats | 0
3548 | 823 | ice_hockey_offensive_stats | 1
3548 | 849 | ice_hockey_offensive_stats | 1
3549 | 824 | ice hockey offensive stats | 0
3549 | 858 | ice_hockey_offensive_stats | 0
3550 | 829 | ice hockey offensive stats | 0
       847 | ice_hockey_offensive_stats | 1
3550 |
3551 | 828 | ice_hockey_offensive_stats | 0
3551
       842 | ice_hockey_offensive_stats | 2
3552 | 826 | ice_hockey_offensive_stats | 0
3552 |
       844 | ice hockey offensive stats | 0
3554
       827 | ice_hockey_offensive_stats | 0
3554 | 845 | ice_hockey_offensive_stats | 0
3556 | 825 | ice_hockey_offensive_stats | 0
3556
       857 | ice_hockey_offensive_stats | 0
3746
       895 | ice hockey offensive stats | 0
3746 | 931 | ice_hockey_offensive_stats | 1
3747 |
       893 | ice hockey offensive stats | 0
       934 | ice hockey offensive stats | 0
3747
       896 | ice_hockey_offensive_stats | 0
3748 |
       935 | ice_hockey_offensive_stats | 0
3748 |
3750 | 900 | ice_hockey_offensive_stats | 0
3750 |
       941 | ice hockey offensive stats | 0
       899 | ice_hockey_offensive_stats | 0
3751 |
3751
       939 | ice_hockey_offensive_stats | 0
3755 | 894 | ice_hockey_offensive_stats | 1
3755
       933 | ice_hockey_offensive_stats | 1
3756
       897 | ice_hockey_offensive_stats | 0
3756
       936 | ice_hockey_offensive_stats | 1
3757 | 892 | ice hockey offensive stats | 0
3757 | 932 | ice hockey offensive stats | 2
3760 | 898 | ice_hockey_offensive_stats | 0
3760 | 940 | ice_hockey_offensive_stats | 0
3776 | 1006 | ice_hockey_offensive_stats | 0
3776 | 1052 | ice_hockey_offensive_stats | 1
3780 | 1007 | ice_hockey_offensive_stats | 0
3780 | 1050 | ice_hockey_offensive_stats | 2
3774 | 987 | ice hockey offensive stats | 0
3774 | 1029 | ice_hockey_offensive_stats | 1
3781 | 988 | ice_hockey_offensive_stats | 0
3781 | 1032 | ice_hockey_offensive_stats | 0
3782 | 989 | ice_hockey_offensive_stats | 0
3782 | 1038 | ice hockey offensive stats | 0
```

```
93 rows in set (0.02 sec)
mysql> SHOW STATUS LIKE "last_query_cost";
+-----+
| Variable_name | Value |
+-----+
| Last_query_cost | 2992.068216 |
+-----+
1 row in set (0.01 sec)
```

DROPPING ALL INDICES: Query:

```
Showing rows 0 - 24 (93 total, Query took 0.0786 seconds.)

SELECT person_id, ice_hockey_offensive_stats.id, stat_repository_type, goals_game_winning FROM stats INNER JOIN ice_hockey_offensive_stats ON stat_repository_id = ice_hockey_offensive_stats.id INNER JOIN ice_hockey_action_participants ON person_id = stat_holder_id WHERE stat_repository_type = "ice_hockey_offensive_stats" AND stats.stat_holder_type = "persons"

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
```

Query Plan:

id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	stats	NULL	ALL	NULL	NULL	NULL	NULL	9398	1.00	Using where
1	SIMPLE	ice_hockey_offensive_stats	NULL	eq_ref	PRIMARY	PRIMARY	4	TEST.stats.stat_repository_id	1	100.00	NULL
1	SIMPLE	ice_hockey_action_participants	NULL	ALL	NULL	NULL	NULL	NULL	138	10.00	Using where; Using join buffer (Block Nested Loop)

Terminal:

mysql> SELECT person_id, ice_hockey_offensive_stats.id, stat_repository_type, goals_game_winning FROM stats INNER JOIN ice_hockey_offensive_stats ON stat_repository_id = ice_hockey_offensive_stats.id INNER JOIN ice_hockey_action_participants ON person_id = stat_holder_id WHERE stat_repository_type = "ice_hockey_offensive_stats" AND stats.stat holder type = "persons";

```
+----+----+
| person_id | id | stat_repository_type
                                        goals_game_winning |
    1817 | 4 | ice_hockey_offensive_stats | 0
    1818 | 7 | ice hockey offensive stats | 0
    1819 | 8 | ice_hockey_offensive_stats | 0
           3 | ice_hockey_offensive_stats | 0
    1821 |
    1822 |
           5 | ice_hockey_offensive_stats | 0
    1823 |
           28 | ice_hockey_offensive_stats | 0
    1823 | 48 | ice_hockey_offensive_stats | 0
    1824 | 25 | ice_hockey_offensive_stats | 0
    1824 | 50 | ice_hockey_offensive_stats | 0
    1825 | 22 | ice_hockey_offensive_stats | 1
    1825 | 45 | ice_hockey_offensive_stats | 1
    1826 | 24 | ice_hockey_offensive_stats | 0
    1826 | 47 | ice_hockey_offensive_stats | 0
    1827 | 26 | ice_hockey_offensive_stats | 0
```

```
55 | ice_hockey_offensive_stats | 0
1827 |
1829
       27 | ice_hockey_offensive_stats | 0
1829 |
       49 | ice_hockey_offensive_stats | 0
       23 | ice hockey offensive stats | 0
1830
1830 |
       53 | ice_hockey_offensive_stats | 0
       70 | ice_hockey_offensive_stats | 0
1863 |
1863 |
       108 | ice_hockey_offensive_stats | 0
1864
       72 | ice_hockey_offensive_stats | 0
       109 | ice_hockey_offensive_stats | 0
1864
1865
       69 | ice_hockey_offensive_stats | 0
1865 |
       107 | ice_hockey_offensive_stats | 0
1868
       73 | ice_hockey_offensive_stats | 1
1868 | 120 | ice_hockey_offensive_stats | 1
       89 | ice_hockey_offensive_stats | 0
1871 |
       136 | ice_hockey_offensive_stats | 0
1871 |
1872 |
       88 | ice_hockey_offensive_stats | 0
1872 | 142 | ice_hockey_offensive_stats | 0
       90 | ice_hockey_offensive_stats | 0
1873 |
1873 | 140 | ice hockey offensive stats | 0
1879
       91 | ice_hockey_offensive_stats | 0
1879 | 135 | ice_hockey_offensive_stats | 0
1975 |
       313 | ice_hockey_offensive_stats | 0
1975 |
       701 | ice_hockey_offensive_stats | 0
1976 | 314 | ice hockey offensive stats | 0
1976 | 696 | ice_hockey_offensive_stats | 0
       312 | ice hockey offensive stats | 0
1977 |
       697 | ice hockey offensive stats | 0
1977
       316 | ice_hockey_offensive_stats | 0
1978 |
1978 | 690 | ice_hockey_offensive_stats | 0
       315 | ice_hockey_offensive_stats | 0
1979 |
1979
       691 | ice hockey offensive stats | 1
2137 |
       530 | ice_hockey_offensive_stats | 0
2134 | 531 | ice_hockey_offensive_stats | 0
2138 | 529 | ice_hockey_offensive_stats | 0
2139 | 510 | ice_hockey_offensive_stats | 0
2140 | 512 | ice_hockey_offensive_stats | 0
2141
       511 | ice_hockey_offensive_stats | 0
3548 | 823 | ice hockey offensive stats | 1
3548 | 849 | ice hockey offensive stats | 1
3549 | 824 | ice_hockey_offensive_stats | 0
3549 | 858 | ice_hockey_offensive_stats | 0
3550 | 829 | ice_hockey_offensive_stats | 0
3550 | 847 | ice_hockey_offensive_stats | 1
3551 | 828 | ice_hockey_offensive_stats | 0
3551 | 842 | ice_hockey_offensive_stats | 2
3552 | 826 | ice hockey offensive stats | 0
3552 | 844 | ice_hockey_offensive_stats | 0
3554 | 827 | ice_hockey_offensive_stats | 0
3554 | 845 | ice_hockey_offensive_stats | 0
3556 | 825 | ice_hockey_offensive_stats | 0
3556 | 857 | ice hockey offensive stats | 0
3746 | 895 | ice_hockey_offensive_stats | 0
```

```
3746 | 931 | ice_hockey_offensive_stats | 1
   3747 | 893 | ice hockey offensive stats | 0
   3747 | 934 | ice_hockey_offensive_stats | 0
   3748 | 896 | ice hockey offensive stats | 0
   3748 | 935 | ice_hockey_offensive_stats | 0
   3750 | 900 | ice_hockey_offensive_stats | 0
   3750 | 941 | ice_hockey_offensive_stats | 0
   3751 | 899 | ice_hockey_offensive_stats | 0
   3751 | 939 | ice hockey offensive stats | 0
   3755 | 894 | ice_hockey_offensive_stats | 1
   3755 | 933 | ice_hockey_offensive_stats | 1
   3756 | 897 | ice hockey offensive stats | 0
   3756 | 936 | ice_hockey_offensive_stats | 1
   3757 | 892 | ice hockey offensive stats | 0
   3757 | 932 | ice_hockey_offensive_stats | 2
   3760 | 898 | ice_hockey_offensive_stats | 0
   3760 | 940 | ice_hockey_offensive_stats | 0
   3776 | 1006 | ice_hockey_offensive_stats | 0
   3776 | 1052 | ice hockey offensive stats | 1
   3780 | 1007 | ice_hockey_offensive_stats | 0
   3780 | 1050 | ice_hockey_offensive_stats | 2
   3774 | 987 | ice_hockey_offensive_stats | 0
   3774 | 1029 | ice_hockey_offensive_stats | 1
   3781 | 988 | ice hockey offensive stats | 0
   3781 | 1032 | ice_hockey_offensive_stats | 0
   3782 | 989 | ice hockey offensive stats | 0
   3782 | 1038 | ice hockey offensive stats | 0
  _____+
93 rows in set (0.05 sec)
mysql> SHOW STATUS LIKE "last query cost";
+----+
| Variable_name | Value
+----+
| Last_query_cost | 4767.342845 |
+----+
1 row in set (0.00 \text{ sec})
PROCEDURES:

    CREATE DEFINER=`root`@`localhost`

PROCEDURE `statsinfo`(IN `type` VARCHAR(100), OUT `count_details`
INT ZEROFILL, OUT `max of details` INT ZEROFILL) NOT DETERMINISTIC
NO SQL SQL SECURITY DEFINER
BEGIN
SET count_details = (SELECT COUNT(id) as count_details FROM stats
WHERE stats.stat_repository_type = type AND stats.stat_holder_type
= "persons");
SET max_of_details = (SELECT MAX(id) as count_details FROM stats
WHERE stats.stat_repository_type = type AND stats.stat_holder_type
= "persons");
END
```

2)CREATE DEFINER=`root`@`localhost` PROCEDURE
 `get_score_attempt`(IN `p_id` INT, OUT `score_attempt`
VARCHAR(100)) NOT DETERMINISTIC READS SQL DATA SQL SECURITY
DEFINER
SET score_attempt = (SELECT score_attempt_type FROM
 ice_hockey_action_plays INNER JOIN ice_hockey_action_participants
ON ice_hockey_action_participants.ice_hockey_action_play_id =
 ice_hockey_action_plays.id WHERE
 ice_hockey_action_participants.person_id = p_id)