

1)

```
mysql> show tables;
+-----+
| Tables_in_LCS |
+-----+
| Coaches        |
| Games          |
| PlayerCompetesInGame |
| PlayerCompetesInSeries |
| Players        |
| Series         |
| TeamCompetesInGame |
| TeamCompetesInSeries |
| Teams          |
| TopThree       |
+-----+
10 rows in set (0.00 sec)
```

2)

```
mysql> describe Coaches;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| coachID    | int       | NO   | PRI | NULL    |       |
| name       | varchar(30) | YES  |     | NULL    |       |
| salary     | int       | YES  |     | NULL    |       |
| startDate  | date      | YES  |     | NULL    |       |
| teamID     | varchar(5) | YES  | MUL | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql> describe Games;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| gameID     | int       | NO   | PRI | NULL    |       |
| lengthGame | time      | YES  |     | NULL    |       |
| seriesID   | int       | NO   | PRI | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> describe PlayerCompetesInGame
-> ;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| playerID   | int       | NO   | PRI | NULL    |       |
| gameID     | int       | NO   | PRI | NULL    |       |
| won        | varchar(4) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> describe PlayerCompetesInSeries;
```

Field	Type	Null	Key	Default	Extra
playerID	int	NO	PRI	NULL	
seriesID	int	NO	PRI	NULL	
won	varchar(4)	YES		NULL	

```
3 rows in set (0.01 sec)
```

```
mysql> describe Players;
```

Field	Type	Null	Key	Default	Extra
playerID	int	NO	PRI	NULL	
name	varchar(30)	YES		NULL	
salary	int	YES		NULL	
startDate	date	YES		NULL	
teamID	varchar(5)	YES	MUL	NULL	

```
5 rows in set (0.00 sec)
```

```
mysql> describe Series;
```

Field	Type	Null	Key	Default	Extra
seriesID	int	NO	PRI	NULL	
seriesDate	date	YES		NULL	
score	varchar(20)	YES		NULL	

```
3 rows in set (0.00 sec)
```

```
mysql> describe TeamCompetesInGame;
```

Field	Type	Null	Key	Default	Extra
teamID	varchar(5)	NO	PRI	NULL	
gameID	int	NO	PRI	NULL	
won	varchar(4)	YES		NULL	

```
3 rows in set (0.00 sec)
```

```
mysql> describe TeamCompetesInSeries;
```

Field	Type	Null	Key	Default	Extra
teamID	varchar(5)	NO	PRI	NULL	
seriesID	int	NO	PRI	NULL	
won	varchar(4)	YES		NULL	

```
3 rows in set (0.00 sec)
```

```
mysql> describe Teams;
```

Field	Type	Null	Key	Default	Extra
teamID	varchar(5)	NO	PRI	NULL	
name	varchar(30)	YES		NULL	
seriesWon	int	YES		NULL	
seriesLost	int	YES		NULL	

```
4 rows in set (0.00 sec)
```

```
mysql> describe TopThree;
```

Field	Type	Null	Key	Default	Extra
playerID	int	NO	PRI	NULL	
top	varchar(20)	YES		NULL	
second	varchar(20)	YES		NULL	
third	varchar(20)	YES		NULL	

```
4 rows in set (0.00 sec)
```

```
mysql> select count(*) from Coaches;
```

```
+-----+
```

```
| count(*) |
```

```
+-----+
```

```
|      1008 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> select count(*) from Games;
```

```
+-----+
```

```
| count(*) |
```

```
+-----+
```

```
|      8026 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> select count(*) from PlayerCompetesInGame;
```

```
+-----+
```

```
| count(*) |
```

```
+-----+
```

```
|     80420 |
```

```
+-----+
```

```
1 row in set (0.01 sec)
```

```
mysql> select count(*) from PlayerCompetesInSeries;
```

```
+-----+
```

```
| count(*) |
```

```
+-----+
```

```
|     20040 |
```

```
+-----+
```

```
1 row in set (0.01 sec)
```

```
mysql> select count(*) from Players;
```

```
+-----+  
| count(*) |
```

```
+-----+  
|      5040 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> select count(*) from Series;
```

```
+-----+  
| count(*) |
```

```
+-----+  
|      2000 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> select count(*) from TeamCompetesInGame;
```

```
+-----+  
| count(*) |
```

```
+-----+  
|     16036 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> select count(*) from TeamCompetesInSeries;
```

```
+-----+  
| count(*) |
```

```
+-----+  
|      3996 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> select count(*) from Teams;
+-----+
| count(*) |
+-----+
|      1008 |
+-----+
1 row in set (0.00 sec)

mysql> select count(*) from TopThree;
+-----+
| count(*) |
+-----+
|      5040 |
+-----+
1 row in set (0.00 sec)
```

4. Samples from each table

coachID	name	salary	startDate	teamID
1	professional_name1	18299	2017-12-13	1
2	professional_name2	27931	2011-07-13	2
3	professional_name3	68370	2018-10-18	3
4	professional_name4	77252	2016-01-04	4

4 rows in set (0.00 sec)

gameID	lengthGame	seriesID
1	00:00:38	1
2	00:00:25	1
3	00:00:40	1
4	00:00:38	1

4 rows in set (0.00 sec)

playerID	gameID	won
1546	1	Lost
1547	1	Lost
1548	1	Lost
1549	1	Lost
1550	1	Lost
3621	1	Won
3622	1	Won
3623	1	Won
3624	1	Won
3625	1	Won

10 rows in set (0.00 sec)

playerID	seriesID	won
1546	1	Won
1547	1	Won
1548	1	Won
1549	1	Won
1550	1	Won
3621	1	Lost
3622	1	Lost
3623	1	Lost
3624	1	Lost
3625	1	Lost

10 rows in set (0.00 sec)

playerID	name	salary	startDate	teamID
1	cool_ign1	33610	2015-12-19	1
2	cool_ign2	2038	2010-08-16	1
3	cool_ign3	15558	2011-02-23	1
4	cool_ign4	41705	2010-08-24	1

4 rows in set (0.00 sec)

seriesID	seriesDate	score
1	2017-04-20	3-1
2	2018-01-16	1-3
3	2016-11-04	1-3
4	2012-10-24	2-3

4 rows in set (0.00 sec)

teamID	gameID	won
310	1	Lost
725	1	won
310	2	Won
725	2	lost
310	3	Won
725	3	lost
310	4	Won
725	4	lost

8 rows in set (0.00 sec)

teamID	seriesID	won
310	1	Won
725	1	lost
862	2	Lost
986	2	won
24	3	Lost
815	3	won
141	4	Lost
6	4	won

8 rows in set (0.00 sec)

teamID	name	seriesWon	seriesLost
1	Dignitas	2	3
2	Evil Geniuses	4	5
3	100 Thieves	9	10
4	FlyQuest	1	2

4 rows in set (0.00 sec)

```
+-----+-----+-----+-----+
| playerID | top      | second  | third    |
+-----+-----+-----+-----+
|         1 | champ128 | champ129 | champ130 |
|         2 | champ9   | champ10  | champ11  |
|         3 | champ104 | champ105 | champ106 |
|         4 | champ138 | champ139 | champ140 |
+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)