Grp-A

Practical No.2

SQL Queries:

A) Design and Develop SQL DDL statements which demonstrate the use of SQL objects such as Table, View, Index, Sequence, Synonym, different constraints etc.

B) Write at least 10 SQL queries on the suitable database application using SQL DML statements.

mysql> show databases;

+----------------------------+

| Database |

+----------------------------+

| 17thsep\_procedure\_function |

| hosiptal\_record\_assign3 |

| information\_schema |

| library |

| mysql |

| performance\_schema |

| sakila |

| sys |

| world |

+----------------------------+

9 rows in set (0.01 sec)

mysql> create database T20WorldCup\_2021\_GrpA\_Prac2;

Query OK, 1 row affected (0.03 sec)

mysql> show databases;

+-----------------------------+

| Database |

+-----------------------------+

| 17thsep\_procedure\_function |

| hosiptal\_record\_assign3 |

| information\_schema |

| library |

| mysql |

| performance\_schema |

| sakila |

| sys |

| t20worldcup\_2021\_grpa\_prac2 |

| world |

+-----------------------------+

10 rows in set (0.00 sec)

mysql> use T20WorldCup\_2021\_GrpA\_Prac2;

Database changed

mysql> show tables;

Empty set (0.03 sec)

mysql> create table Teams(team\_id varchar(30) primary key,team\_name varchar(20) not null,no\_of\_win int(5),no\_of\_loses int(5));

Query OK, 0 rows affected, 2 warnings (0.04 sec)

mysql> desc Teams;

+-------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------------+-------------+------+-----+---------+-------+

| team\_id | varchar(30) | NO | PRI | NULL | |

| team\_name | varchar(20) | NO | | NULL | |

| no\_of\_win | int | YES | | NULL | |

| no\_of\_loses | int | YES | | NULL | |

+-------------+-------------+------+-----+---------+-------+

4 rows in set (0.01 sec)

mysql> create table Players(player\_id varchar(10) primary key, team\_id varchar(10),FOREIGN KEY(team\_id) REFERENCES Teams(team\_id),no\_of\_matches int(10),total\_runs int(5),total\_wickets int(5),batting\_avg float(3,2),bowling\_avg float(3,2),strike\_rate float(3,2),economy float(2,2),no\_of\_sixes int(3),no\_of\_fours int(3),no\_of\_half\_centuries int(3),no\_of\_centuries int(3),no\_of\_ducks int(3));

Query OK, 0 rows affected, 12 warnings (0.03 sec)

mysql> desc Players;

+----------------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------------+-------------+------+-----+---------+-------+

| player\_id | varchar(10) | NO | PRI | NULL | |

| team\_id | varchar(10) | YES | MUL | NULL | |

| no\_of\_matches | int | YES | | NULL | |

| total\_runs | int | YES | | NULL | |

| total\_wickets | int | YES | | NULL | |

| batting\_avg | float(3,2) | YES | | NULL | |

| bowling\_avg | float(3,2) | YES | | NULL | |

| strike\_rate | float(3,2) | YES | | NULL | |

| economy | float(2,2) | YES | | NULL | |

| no\_of\_sixes | int | YES | | NULL | |

| no\_of\_fours | int | YES | | NULL | |

| no\_of\_half\_centuries | int | YES | | NULL | |

| no\_of\_centuries | int | YES | | NULL | |

| no\_of\_ducks | int | YES | | NULL | |

+----------------------+-------------+------+-----+---------+-------+

14 rows in set (0.01 sec)

mysql> Create table Batsman(team\_id varchar(10), FOREIGN KEY(team\_id) REFERENCES Teams(team\_id),first\_name varchar(20),last\_name varchar(20),type varchar(30));

Query OK, 0 rows affected (0.03 sec)

mysql> desc Batsman;

+------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+-------------+------+-----+---------+-------+

| team\_id | varchar(10) | YES | MUL | NULL | |

| first\_name | varchar(20) | YES | | NULL | |

| last\_name | varchar(20) | YES | | NULL | |

| type | varchar(30) | YES | | NULL | |

+------------+-------------+------+-----+---------+-------+

4 rows in set (0.01 sec)

mysql> Create table Bowlers(team\_id varchar(10), FOREIGN KEY(team\_id) REFERENCES Teams(team\_id),first\_name varchar(20),last\_name varchar(20),type varchar(30));

Query OK, 0 rows affected (0.02 sec)

mysql> desc Bowlers;

+------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+-------------+------+-----+---------+-------+

| team\_id | varchar(10) | YES | MUL | NULL | |

| first\_name | varchar(20) | YES | | NULL | |

| last\_name | varchar(20) | YES | | NULL | |

| type | varchar(30) | YES | | NULL | |

+------------+-------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

alter table Bowlers drop column type;

Query OK, 0 rows affected (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table Bowlers add column role varchar(20);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table Bowlers add column type varchar(20);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc Bowlers;

+------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+-------------+------+-----+---------+-------+

| team\_id | varchar(10) | YES | MUL | NULL | |

| first\_name | varchar(20) | YES | | NULL | |

| last\_name | varchar(20) | YES | | NULL | |

| role | varchar(20) | YES | | NULL | |

| type | varchar(20) | YES | | NULL | |

+------------+-------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

mysql> Create table All\_Rounders(team\_id varchar(10), FOREIGN KEY(team\_id) REFERENCES Teams(team\_id),first\_name varchar(20),last\_name varchar(20),batting\_type varchar(30),bowling\_type varchar(30));

Query OK, 0 rows affected (0.02 sec)

mysql> desc All\_Rounders;

+--------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------------+-------------+------+-----+---------+-------+

| team\_id | varchar(10) | YES | MUL | NULL | |

| first\_name | varchar(20) | YES | | NULL | |

| last\_name | varchar(20) | YES | | NULL | |

| batting\_type | varchar(30) | YES | | NULL | |

| bowling\_type | varchar(30) | YES | | NULL | |

+--------------+-------------+------+-----+---------+-------+

5 rows in set (0.01 sec)

mysql> Create table Umpire(umpire\_id varchar(15) primary key,umpire\_name varchar(50),no\_of\_matches int(3),country varchar(20));

Query OK, 0 rows affected, 1 warning (0.02 sec)

mysql> desc Umpire;

+---------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------------+-------------+------+-----+---------+-------+

| umpire\_id | varchar(15) | NO | PRI | NULL | |

| umpire\_name | varchar(50) | YES | | NULL | |

| no\_of\_matches | int | YES | | NULL | |

| country | varchar(20) | YES | | NULL | |

+---------------+-------------+------+-----+---------+-------+

4 rows in set (0.01 sec)

Create table Matches(match\_id int not null AUTO\_INCREMENT primary key,match\_date date,team\_id\_1 varchar(15),FOREIGN KEY(team\_id\_1) REFERENCES Teams(team\_id) ,team\_id\_2 varchar(15),FOREIGN KEY(team\_id\_2) REFERENCES Teams(team\_id) ,venue varchar(40),umpire\_id\_1 varchar(15),umpire\_id\_2 varchar(15), FOREIGN KEY(umpire\_id\_1) REFERENCES Umpire(umpire\_id),FOREIGN KEY(umpire\_id\_2) REFERENCES Umpire(umpire\_id));

Query OK, 0 rows affected (0.04 sec)

mysql> desc Matches;

+-------------+-------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-------------+-------------+------+-----+---------+----------------+

| match\_id | int | NO | PRI | NULL | auto\_increment |

| match\_date | date | YES | | NULL | |

| team\_id\_1 | varchar(15) | YES | MUL | NULL | |

| team\_id\_2 | varchar(15) | YES | MUL | NULL | |

| venue | varchar(40) | YES | | NULL | |

| umpire\_id\_1 | varchar(15) | YES | MUL | NULL | |

| umpire\_id\_2 | varchar(15) | YES | MUL | NULL | |

+-------------+-------------+------+-----+---------+----------------+

7 rows in set (0.01 sec)

mysql> show tables;

+---------------------------------------+

| Tables\_in\_t20worldcup\_2021\_grpa\_prac2 |

+---------------------------------------+

| all\_rounders |

| batsman |

| bowlers |

| matches |

| players |

| teams |

| umpire |

+---------------------------------------+

8 rows in set (0.01 sec)

mysql> insert into Teams values('IND','INDIA',3,2);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Teams values('Pak','Pakistan',5,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('NZ','NewZealand',4,1);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('Eng','England',4,1);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('Aus','Australia',4,1);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Teams values('RSA','South Africa',4,1);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('Afg','Afghanistan',2,3);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('Nam','Namibia',1,4);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('Sco','Scotland',0,5);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('SL','Sri Lanka',2,3);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('WI','West Indies',1,4);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Teams values('Ban','Bangladesh',0,5);

Query OK, 1 row affected (0.01 sec)

mysql> select \* from Teams;

+---------+--------------+-----------+-------------+

| team\_id | team\_name | no\_of\_win | no\_of\_loses |

+---------+--------------+-----------+-------------+

| Afg | Afghanistan | 2 | 3 |

| Aus | Australia | 4 | 1 |

| Ban | Bangladesh | 0 | 5 |

| Eng | England | 4 | 1 |

| IND | INDIA | 3 | 2 |

| Nam | Namibia | 1 | 4 |

| NZ | NewZealand | 4 | 1 |

| Pak | Pakistan | 5 | 0 |

| RSA | South Africa | 4 | 1 |

| Sco | Scotland | 0 | 5 |

| SL | Sri Lanka | 2 | 3 |

| WI | West Indies | 1 | 4 |

+---------+--------------+-----------+-------------+

12 rows in set (0.00 sec)

mysql> alter table Teams add net\_run\_rate float(10,3);

Query OK, 0 rows affected, 1 warning (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 1

mysql> desc Teams;

+--------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------------+-------------+------+-----+---------+-------+

| team\_id | varchar(30) | NO | PRI | NULL | |

| team\_name | varchar(20) | NO | | NULL | |

| no\_of\_win | int | YES | | NULL | |

| no\_of\_loses | int | YES | | NULL | |

| net\_run\_rate | float(10,3) | YES | | NULL | |

+--------------+-------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

mysql> select\*from Teams;

+---------+--------------+-----------+-------------+--------------+

| team\_id | team\_name | no\_of\_win | no\_of\_loses | net\_run\_rate |

+---------+--------------+-----------+-------------+--------------+

| Afg | Afghanistan | 2 | 3 | NULL |

| Aus | Australia | 4 | 1 | NULL |

| Ban | Bangladesh | 0 | 5 | NULL |

| Eng | England | 4 | 1 | NULL |

| IND | INDIA | 3 | 2 | NULL |

| Nam | Namibia | 1 | 4 | NULL |

| NZ | NewZealand | 4 | 1 | NULL |

| Pak | Pakistan | 5 | 0 | NULL |

| RSA | South Africa | 4 | 1 | NULL |

| Sco | Scotland | 0 | 5 | NULL |

| SL | Sri Lanka | 2 | 3 | NULL |

| WI | West Indies | 1 | 4 | NULL |

+---------+--------------+-----------+-------------+--------------+

12 rows in set (0.00 sec)

mysql> update Teams set net\_run\_rate = +1.053 where team\_name = 'Afghanistan';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Teams set net\_run\_rate = +1.216 where team\_name = 'Australia';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Teams set net\_run\_rate = -2.383 where team\_name = 'Bangladesh';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Teams set net\_run\_rate = +2.464 where team\_name = 'England';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Teams set net\_run\_rate = +1.747 where team\_name = 'INDIA';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Teams set net\_run\_rate = -1.890 where team\_name = 'Namibia';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Teams set net\_run\_rate = +1.162 where team\_name = 'NewZealand';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Teams set net\_run\_rate = +1.583 where team\_name = 'Pakistan';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Teams set net\_run\_rate = +0.739 where team\_name = 'South Africa';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Teams set net\_run\_rate = -3.543 where team\_name = 'Scotland';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Teams set net\_run\_rate = -0.269 where team\_name = 'Sri Lanka';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Teams set net\_run\_rate = -1.641 where team\_name = 'West Indies';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select\*from Teams;

+---------+--------------+-----------+-------------+--------------+

| team\_id | team\_name | no\_of\_win | no\_of\_loses | net\_run\_rate |

+---------+--------------+-----------+-------------+--------------+

| Afg | Afghanistan | 2 | 3 | 1.053 |

| Aus | Australia | 4 | 1 | 1.216 |

| Ban | Bangladesh | 0 | 5 | -2.383 |

| Eng | England | 4 | 1 | 2.464 |

| IND | INDIA | 3 | 2 | 1.747 |

| Nam | Namibia | 1 | 4 | -1.890 |

| NZ | NewZealand | 4 | 1 | 1.162 |

| Pak | Pakistan | 5 | 0 | 1.583 |

| RSA | South Africa | 4 | 1 | 0.739 |

| Sco | Scotland | 0 | 5 | -3.543 |

| SL | Sri Lanka | 2 | 3 | -0.269 |

| WI | West Indies | 1 | 4 | -1.641 |

+---------+--------------+-----------+-------------+--------------+

mysql> desc Players;

+----------------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------------+--------------+------+-----+---------+-------+

| player\_id | varchar(10) | NO | PRI | NULL | |

| team\_id | varchar(10) | YES | MUL | NULL | |

| no\_of\_matches | int | YES | | NULL | |

| total\_runs | int | YES | | NULL | |

| total\_wickets | int | YES | | NULL | |

| strike\_rate | float(200,2) | YES | | NULL | |

| economy | float(30,2) | YES | | NULL | |

| no\_of\_sixes | int | YES | | NULL | |

| no\_of\_fours | int | YES | | NULL | |

| no\_of\_half\_centuries | int | YES | | NULL | |

+----------------------+--------------+------+-----+---------+-------+

14 rows in set (0.01 sec)

mysql> insert into Players values('VK18','IND',94,3227,4,52.05,49.5,137.91,7.14,91,290,29,0,3);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('RS45','IND',116,3038,1,32.32,113.05,139.61,9.97,140,273,24,4,7);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('KLR01','IND',53,1751,0,40.72,0.0,143.29,0.0,70,157,15,2,4);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('HP33','IND',54,553,42,20.48,27.4,146.3,8.23,32,34,0,0,2);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('RJ08','IND',55,256,46,17.07,27.24,113.78,6.99,7,15,0,0,2);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('JB93','IND',54,8,66,4.0,19.55,61.54,6.52,0,1,0,0,1);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('BK15','IND',52,57,50,11.4,25.6,75.0,6.93,0,0,0,0,1);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('MS11','IND',17,0,18,0.0,31.56,0.0,9.55,0,0,0,0,0);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('BA59','Pak',66,2468,0,130.38,0.0,38,254,24);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('SM18','Pak',121,1933,28,125.92,7.09,69,196,9);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('MR16','Pak',48,1279,0,128.8,0.0,38,116,10);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('SA10','Pak',35,19,38,105.56,26.61,1,1,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('KW22','NZ',72,1931,6,122.76,8.34,43,192,13);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('MG31','NZ',107,3115,0,136.5,11.0,155,274,18);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('TB18','NZ',39,28,57,73.68,7.17,0,2,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('IS61','NZ',62,78,81,108.33,8.0,5,4,0);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('TS38','NZ',87,249,106,143.1,8.21,16,16,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('DC88','NZ',20,602,0,139.32,0.0,15,62,4);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('AF05','Aus',81,2603,0,148.4,13.5,113,260,15);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('DW31','Aus',86,2452,0,140.11,0.0,93,244,20);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('SS49','Aus',50,858,17,126.55,7.79,21,70,4);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('MM08','Aus',34,780,15,122.64,7.47,30,61,5);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('GM32','Aus',77,1809,33,156.49,7.44,93,149,9);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('MS17','Aus',33,416,10,135.06,8.69,14,39,1);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('MW13','Aus',53,688,0,123.52,0.0,25,52,3);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('PC30','Aus',35,60,41,133.33,7.01,4,3,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('MS56','Aus',46,83,58,105.06,7.3,2,4,0);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('AZ63','Aus',55,45,63,91.84,6.85,0,4,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('SS59','Ban',66,1136,9,122.15,9.5,43,113,5);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('MD30','Ban',110,1939,33,118.74,7.24,60,150,6);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('SAH75','Ban',94,1894,117,120.56,6.66,38,193,9);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('MR15','Ban',99,1465,0,115.26,0.0,37,122,6);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('LD16','Ban',46,844,0,122.5,0.0,27,80,4);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('MR90','Ban',59,53,84,66.25,7.68,3,3,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('TA03','Ban',30,58,21,87.88,7.96,1,6,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('RH34','Ban',28,20,28,55.56,9.45,0,1,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('EM16','Eng',113,2428,0,137.64,0.0,119,184,14);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('LL23','Eng',14,252,8,165.79,6.32,18,13,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('DM29','Eng',36,1239,1,137.21,13.5,41,128,11);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('JR20','Eng',53,1316,0,144.93,0.0,59,136,7);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('MA18','Eng',44,529,28,135.29,8.0,24,46,3);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('CW19','Eng',16,98,15,148.48,7.83,6,4,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('JB51','Eng',63,1190,0,135.84,0.0,49,111,7);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('JB63','Eng',88,2140,0,141.16,0.0,90,184,15);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('SB77','Eng',33,417,0,128.31,0.0,12,39,2);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('CJ34','Eng',71,296,79,132.74,8.56,14,21,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('AR95','Eng',68,60,74,80.0,7.39,0,4,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('MW33','Eng',19,11,26,84.62,8.76,0,1,0);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('AM04','RSA',20,588,5,147.0,7.44,28,45,6);

Query OK, 1 row affected (0.02 sec)

mysql> insert into Players values('DM10','RSA',95,1786,0,140.63,0.0,79,119,4);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('RvdD72','RSA',34,933,0,130.86,0.0,40,55,6);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('DP29','RSA',22,170,23,161.9,7.77,8,13,1);

Query OK, 1 row affected (0.02 sec)

mysql> insert into Players values('QdK12','RSA',61,1827,0,135.03,0.0,65,189,11);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('HK45','RSA',28,449,0,142.09,14.0,21,32,3);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('AN02','RSA',16,8,18,40.0,6.75,0,0,0);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('KR25','RSA',40,121,49,116.35,8.58,5,11,0);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('TS26','RSA',47,4,57,21.05,6.74,0,0,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('KC15','Sco',69,1495,5,119.22,6.45,48,158,6);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('GM93','Sco',50,1270,0,146.31,0.0,57,150,7);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('RB44','Sco',73,1693,27,128.26,7.58,54,148,7);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('ML29','Sco',42,428,26,129.7,8.01,22,29,1);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('CML10','Sco',60,1158,5,110.5,7.21,22,99,7);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('MC09','Sco',55,947,0,116.34,0.0,25,90,5);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('SS50','Sco',53,151,61,121.77,8.11,4,9,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('MW51','Sco',46,104,56,116.85,6.97,1,11,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('MN07','Afg',85,1501,73,142.95,7.24,85,98,4);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('AA44','Afg',75,1382,1,110.83,0.0,69,87,4);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('NZ01','Afg',68,1232,0,141.28,0.0,65,84,6);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('GN11','Afg',52,559,20,122.59,8.17,25,42,1);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('MS77','Afg',69,1961,0,133.95,0.0,75,217,11);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('RK19','Afg',56,182,103,123.81,6.21,11,11,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('MUR88','Afg',22,12,32,88.89,6.05,0,1,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('HH66','Afg',25,50,35,108.7,6.4,2,3,0);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('CG333','WI',79,1899,20,137.51,6.93,124,158,14);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('EL17','WI',50,1423,0,155.52,0.0,110,106,10);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('SH189','WI',42,666,0,118.72,0.0,32,43,3);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('LS54','WI',68,1527,6,120.71,10.05,68,140,9);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('KP55','WI',93,1468,38,135.55,8.45,96,86,6);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('DB47','WI',91,1255,78,115.14,8.12,55,73,4);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('AR12','WI',67,741,39,156.0,9.19,62,42,1);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('JH98','WI',30,225,23,123.63,8.13,13,12,0);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('NP29','WI',46,738,0,125.72,0.0,42,56,3);

Query OK, 1 row affected (0.01 sec)

insert into Players values('AF28','SL',29,325,0,93.93,0.0,6,25,0);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('DS07','SL',56,707,17,107.45,7.47,33,48,2);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('WH49','SL',32,319,52,119.92,6.22,2,32,1);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('KJP55','SL',59,1539,0,131.31,0.0,51,144,12);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('DC36','SL',61,950,0,104.51,0.0,19,82,6);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Players values('DC05','SL',39,46,38,73.02,7.89,0,4,0);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Players values('AD04','SL',31,61,28,85.92,8.2,0,6,0);

Query OK, 1 row affected (0.01 sec)

mysql> select \* from Players;

+-----------+---------+---------------+------------+---------------+-------------+---------+-------------+-------------+----------------------+

| player\_id | team\_id | no\_of\_matches | total\_runs | total\_wickets | strike\_rate | economy | no\_of\_sixes | no\_of\_fours | no\_of\_half\_centuries |

+-----------+---------+---------------+------------+---------------+-------------+---------+-------------+-------------+----------------------+

| AA44 | Afg | 75 | 1382 | 1 | 110.83 | 0.00 | 69 | 87 | 4 |

| AD04 | SL | 31 | 61 | 28 | 85.92 | 8.20 | 0 | 6 | 0 |

| AF05 | Aus | 81 | 2603 | 0 | 148.40 | 13.50 | 113 | 260 | 15 |

| AF28 | SL | 29 | 325 | 0 | 93.93 | 0.00 | 6 | 25 | 0 |

| AM04 | RSA | 20 | 588 | 5 | 147.00 | 7.44 | 28 | 45 | 6 |

| AN02 | RSA | 16 | 8 | 18 | 40.00 | 6.75 | 0 | 0 | 0 |

| AR12 | WI | 67 | 741 | 39 | 156.00 | 9.19 | 62 | 42 | 1 |

| AR95 | Eng | 68 | 60 | 74 | 80.00 | 7.39 | 0 | 4 | 0 |

| AZ63 | Aus | 55 | 45 | 63 | 91.84 | 6.85 | 0 | 4 | 0 |

| BA59 | Pak | 66 | 2468 | 0 | 130.38 | 0.00 | 38 | 254 | 24 |

| BK15 | IND | 52 | 57 | 50 | 75.00 | 6.93 | 0 | 0 | 0 |

| CG333 | WI | 79 | 1899 | 20 | 137.51 | 6.93 | 124 | 158 | 14 |

| CJ34 | Eng | 71 | 296 | 79 | 132.74 | 8.56 | 14 | 21 | 0 |

| CML10 | Sco | 60 | 1158 | 5 | 110.50 | 7.21 | 22 | 99 | 7 |

| CW19 | Eng | 16 | 98 | 15 | 148.48 | 7.83 | 6 | 4 | 0 |

| DB47 | WI | 91 | 1255 | 78 | 115.14 | 8.12 | 55 | 73 | 4 |

| DC05 | SL | 39 | 46 | 38 | 73.02 | 7.89 | 0 | 4 | 0 |

| DC36 | SL | 61 | 950 | 0 | 104.51 | 0.00 | 19 | 82 | 6 |

| DC88 | NZ | 20 | 602 | 0 | 139.32 | 0.00 | 15 | 62 | 4 |

| DM10 | RSA | 95 | 1786 | 0 | 140.63 | 0.00 | 79 | 119 | 4 |

| DM29 | Eng | 36 | 1239 | 1 | 137.21 | 13.50 | 41 | 128 | 11 |

| DP29 | RSA | 22 | 170 | 23 | 161.90 | 7.77 | 8 | 13 | 1 |

| DS07 | SL | 56 | 707 | 17 | 107.45 | 7.47 | 33 | 48 | 2 |

| DW31 | Aus | 86 | 2452 | 0 | 140.11 | 0.00 | 93 | 244 | 20 |

| EL17 | WI | 50 | 1423 | 0 | 155.52 | 0.00 | 110 | 106 | 10 |

| EM16 | Eng | 113 | 2428 | 0 | 137.64 | 0.00 | 119 | 184 | 14 |

| GM32 | Aus | 77 | 1809 | 33 | 156.49 | 7.44 | 93 | 149 | 9 |

| GM93 | Sco | 50 | 1270 | 0 | 146.31 | 0.00 | 57 | 150 | 7 |

| GN11 | Afg | 52 | 559 | 20 | 122.59 | 8.17 | 25 | 42 | 1 |

| HH66 | Afg | 25 | 50 | 35 | 108.70 | 6.40 | 2 | 3 | 0 |

| HK45 | RSA | 28 | 449 | 0 | 142.09 | 14.00 | 21 | 32 | 3 |

| HP33 | IND | 54 | 553 | 42 | 146.30 | 8.23 | 32 | 34 | 0 |

| IS61 | NZ | 62 | 78 | 81 | 108.33 | 8.00 | 5 | 4 | 0 |

| JB51 | Eng | 63 | 1190 | 0 | 135.84 | 0.00 | 49 | 111 | 7 |

| JB63 | Eng | 88 | 2140 | 0 | 141.16 | 0.00 | 90 | 184 | 15 |

| JB93 | IND | 54 | 8 | 66 | 61.54 | 6.52 | 0 | 1 | 0 |

| JH98 | WI | 30 | 225 | 23 | 123.63 | 8.13 | 13 | 12 | 0 |

| JR20 | Eng | 53 | 1316 | 0 | 144.93 | 0.00 | 59 | 136 | 7 |

| KC15 | Sco | 69 | 1495 | 5 | 119.22 | 6.45 | 48 | 158 | 6 |

| KJP55 | SL | 59 | 1539 | 0 | 131.31 | 0.00 | 51 | 144 | 12 |

| KLR01 | IND | 53 | 1751 | 0 | 143.29 | 0.00 | 70 | 157 | 15 |

| KP55 | WI | 93 | 1468 | 38 | 135.55 | 8.45 | 96 | 86 | 6 |

| KR25 | RSA | 40 | 121 | 49 | 116.35 | 8.58 | 5 | 11 | 0 |

| KW22 | NZ | 72 | 1931 | 6 | 122.76 | 8.34 | 43 | 192 | 13 |

| LD16 | Ban | 46 | 844 | 0 | 122.50 | 0.00 | 27 | 80 | 4 |

| LL23 | Eng | 14 | 252 | 8 | 165.79 | 6.32 | 18 | 13 | 0 |

| LS54 | WI | 68 | 1527 | 6 | 120.71 | 10.05 | 68 | 140 | 9 |

| MA18 | Eng | 44 | 529 | 28 | 135.29 | 8.00 | 24 | 46 | 3 |

| MC09 | Sco | 55 | 947 | 0 | 116.34 | 0.00 | 25 | 90 | 5 |

| MD30 | Ban | 110 | 1939 | 33 | 118.74 | 7.24 | 60 | 150 | 6 |

| MG31 | NZ | 107 | 3115 | 0 | 136.50 | 11.00 | 155 | 274 | 18 |

| ML29 | Sco | 42 | 428 | 26 | 129.70 | 8.01 | 22 | 29 | 1 |

| MM08 | Aus | 34 | 780 | 15 | 122.64 | 7.47 | 30 | 61 | 5 |

| MN07 | Afg | 85 | 1501 | 73 | 142.95 | 7.24 | 85 | 98 | 4 |

| MR15 | Ban | 99 | 1465 | 0 | 115.26 | 0.00 | 37 | 122 | 6 |

| MR16 | Pak | 48 | 1279 | 0 | 128.80 | 0.00 | 38 | 116 | 10 |

| MR90 | Ban | 59 | 53 | 84 | 66.25 | 7.68 | 3 | 3 | 0 |

| MS11 | IND | 17 | 0 | 18 | 0.00 | 9.55 | 0 | 0 | 0 |

| MS17 | Aus | 33 | 416 | 10 | 135.06 | 8.69 | 14 | 39 | 1 |

| MS56 | Aus | 46 | 83 | 58 | 105.06 | 7.30 | 2 | 4 | 0 |

| MS77 | Afg | 69 | 1961 | 0 | 133.95 | 0.00 | 75 | 217 | 11 |

| MUR88 | Afg | 22 | 12 | 32 | 88.89 | 6.05 | 0 | 1 | 0 |

| MW13 | Aus | 53 | 688 | 0 | 123.52 | 0.00 | 25 | 52 | 3 |

| MW33 | Eng | 19 | 11 | 26 | 84.62 | 8.76 | 0 | 1 | 0 |

| MW51 | Sco | 46 | 104 | 56 | 116.85 | 6.97 | 1 | 11 | 0 |

| NP29 | WI | 46 | 738 | 0 | 125.72 | 0.00 | 42 | 56 | 3 |

| NZ01 | Afg | 68 | 1232 | 0 | 141.28 | 0.00 | 65 | 84 | 6 |

| PC30 | Aus | 35 | 60 | 41 | 133.33 | 7.01 | 4 | 3 | 0 |

| QdK12 | RSA | 61 | 1827 | 0 | 135.03 | 0.00 | 65 | 189 | 11 |

| RB44 | Sco | 73 | 1693 | 27 | 128.26 | 7.58 | 54 | 148 | 7 |

| RH34 | Ban | 28 | 20 | 28 | 55.56 | 9.45 | 0 | 1 | 0 |

| RJ08 | IND | 55 | 256 | 46 | 113.78 | 6.99 | 7 | 15 | 0 |

| RK19 | Afg | 56 | 182 | 103 | 123.81 | 6.21 | 11 | 11 | 0 |

| RS45 | IND | 116 | 3038 | 1 | 139.61 | 9.97 | 140 | 273 | 24 |

| RvdD72 | RSA | 34 | 933 | 0 | 130.86 | 0.00 | 40 | 55 | 6 |

| SA10 | Pak | 35 | 19 | 38 | 105.56 | 26.61 | 1 | 1 | 0 |

| SAH75 | Ban | 94 | 1894 | 117 | 120.56 | 6.66 | 38 | 193 | 9 |

| SB77 | Eng | 33 | 417 | 0 | 128.31 | 0.00 | 12 | 39 | 2 |

| SH189 | WI | 42 | 666 | 0 | 118.72 | 0.00 | 32 | 43 | 3 |

| SM18 | Pak | 121 | 1933 | 28 | 125.92 | 7.09 | 69 | 196 | 9 |

| SS49 | Aus | 50 | 858 | 17 | 126.55 | 7.79 | 21 | 70 | 4 |

| SS50 | Sco | 53 | 151 | 61 | 121.77 | 8.11 | 4 | 9 | 0 |

| SS59 | Ban | 66 | 1136 | 9 | 122.15 | 9.50 | 43 | 113 | 5 |

| TA03 | Ban | 30 | 58 | 21 | 87.88 | 7.96 | 1 | 6 | 0 |

| TB18 | NZ | 39 | 28 | 57 | 73.68 | 7.17 | 0 | 2 | 0 |

| TS26 | RSA | 47 | 4 | 57 | 21.05 | 6.74 | 0 | 0 | 0 |

| TS38 | NZ | 87 | 249 | 106 | 143.10 | 8.21 | 16 | 16 | 0 |

| VK18 | IND | 94 | 3227 | 4 | 137.91 | 7.14 | 91 | 290 | 29 |

| WH49 | SL | 32 | 319 | 52 | 119.92 | 6.22 | 2 | 32 | 1 |

+-----------+---------+---------------+------------+---------------+-------------+---------+-------------+-------------+----------------------+

89 rows in set (0.01 sec)

desc Matches;

+-------------+-------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-------------+-------------+------+-----+---------+----------------+

| match\_id | int | NO | PRI | NULL | auto\_increment |

| match\_date | date | YES | | NULL | |

| team\_id\_1 | varchar(15) | YES | MUL | NULL | |

| team\_id\_2 | varchar(15) | YES | MUL | NULL | |

| venue | varchar(40) | YES | | NULL | |

| umpire\_id\_1 | varchar(15) | YES | MUL | NULL | |

| umpire\_id\_2 | varchar(15) | YES | MUL | NULL | |

+-------------+-------------+------+-----+---------+----------------+

7 rows in set (0.00 sec)

mysql>insert into Matches values('01','2021/10/23','Aus','RSA','Abu Dhabi','UMP01','UMP02');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/10/23','Eng','WI','Dubai','UMP03','UMP04');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/10/24','SL','Ban','Sharjah','UMP05','UMP06');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Matches values(null,'2021/10/24','IND','Pak','Dubai','UMP07','UMP04');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/10/25','Afg','Sco','Sharjah','UMP08','UMP09');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/10/26','RSA','WI','Dubai','UMP10','UMP03');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/10/26','Pak','NZ','Sharjah','UMP02','UMP11');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/10/27','Eng','Ban','Abu Dhabi','UMP12','UMP01');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Matches values(null,'2021/10/27','Sco','Nam','Sharjah','UMP13','UMP05');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/10/28','Aus','SL','Dubai','UMP03','UMP14');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Matches values(null,'2021/10/29','WI','Ban','Sharjah','UMP13','UMP05');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/10/29','Afg','Pak','Dubai','UMP06','UMP15');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Matches values(null,'2021/10/30','RSA','SL','Sharjah','UMP06','UMP09');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/10/30','Eng','Aus','Dubai','UMP01','UMP04');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/10/31','Afg','Nam','Abu Dhabi','UMP07','UMP16');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Matches values(null,'2021/10/31','IND','NZ','Dubai','UMP04','UMP11');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/11/01','Eng','SL','Sharjah','UMP13','UMP05');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/11/02','RSA','Ban','Abu Dhabi','UMP14','UMP10');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/11/02','Pak','Nam','Abu Dhabi','UMP07','UMP15');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/11/03','NZ','Sco','Dubai','UMP04','UMP16');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/11/03','IND','Afg','Abu Dhabi','UMP11','UMP10');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/11/04','Aus','Ban','Dubai','UMP01','UMP08');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/11/04','WI','SL','Abu Dhabi','UMP03','UMP12');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Matches values(null,'2021/11/05','NZ','Nam','Sharjah','UMP09','UMP10');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/11/05','IND','Sco','Dubai','UMP13','UMP04');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/11/06','Aus','WI','Abu Dhabi','UMP12','UMP14');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Matches values(null,'2021/11/06','Eng','RSA','Sharjah','UMP15','UMP06');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Matches values(null,'2021/11/07','NZ','Afg','Abu Dhabi','UMP12','UMP08');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/11/07','Pak','Sco','Sharjah','UMP09','UMP13');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Matches values(null,'2021/11/07','IND','Nam','Dubai','UMP14','UMP15');

Query OK, 1 row affected (0.00 sec)

mysql> select \* from Matches;

+----------+------------+-----------+-----------+-----------+-------------+-------------+

| match\_id | match\_date | team\_id\_1 | team\_id\_2 | venue | umpire\_id\_1 | umpire\_id\_2 |

+----------+------------+-----------+-----------+-----------+-------------+-------------+

| 1 | 2021-10-23 | Aus | RSA | Abu Dhabi | UMP01 | UMP02 |

| 2 | 2021-10-23 | Eng | WI | Dubai | UMP03 | UMP04 |

| 3 | 2021-10-24 | SL | Ban | Sharjah | UMP05 | UMP06 |

| 4 | 2021-10-24 | IND | Pak | Dubai | UMP07 | UMP04 |

| 5 | 2021-10-25 | Afg | Sco | Sharjah | UMP08 | UMP09 |

| 6 | 2021-10-26 | RSA | WI | Dubai | UMP10 | UMP03 |

| 7 | 2021-10-26 | Pak | NZ | Sharjah | UMP02 | UMP11 |

| 8 | 2021-10-27 | Eng | Ban | Abu Dhabi | UMP12 | UMP01 |

| 9 | 2021-10-27 | Sco | Nam | Sharjah | UMP13 | UMP05 |

| 10 | 2021-10-28 | Aus | SL | Dubai | UMP03 | UMP14 |

| 11 | 2021-10-29 | WI | Ban | Sharjah | UMP13 | UMP05 |

| 12 | 2021-10-29 | Afg | Pak | Dubai | UMP06 | UMP15 |

| 13 | 2021-10-30 | RSA | SL | Sharjah | UMP06 | UMP09 |

| 14 | 2021-10-30 | Eng | Aus | Dubai | UMP01 | UMP04 |

| 15 | 2021-10-31 | Afg | Nam | Abu Dhabi | UMP07 | UMP16 |

| 16 | 2021-10-31 | IND | NZ | Dubai | UMP04 | UMP11 |

| 17 | 2021-11-01 | Eng | SL | Sharjah | UMP13 | UMP05 |

| 18 | 2021-11-02 | RSA | Ban | Abu Dhabi | UMP14 | UMP10 |

| 19 | 2021-11-02 | Pak | Nam | Abu Dhabi | UMP07 | UMP15 |

| 20 | 2021-11-03 | NZ | Sco | Dubai | UMP04 | UMP16 |

| 21 | 2021-11-03 | IND | Afg | Abu Dhabi | UMP11 | UMP10 |

| 22 | 2021-11-04 | Aus | Ban | Dubai | UMP01 | UMP08 |

| 23 | 2021-11-04 | WI | SL | Abu Dhabi | UMP03 | UMP12 |

| 24 | 2021-11-05 | NZ | Nam | Sharjah | UMP09 | UMP10 |

| 25 | 2021-11-05 | IND | Sco | Dubai | UMP13 | UMP04 |

| 26 | 2021-11-06 | Aus | WI | Abu Dhabi | UMP12 | UMP14 |

| 27 | 2021-11-06 | Eng | RSA | Sharjah | UMP15 | UMP06 |

| 28 | 2021-11-07 | NZ | Afg | Abu Dhabi | UMP12 | UMP08 |

| 29 | 2021-11-07 | Pak | Sco | Sharjah | UMP09 | UMP13 |

| 30 | 2021-11-07 | IND | Nam | Dubai | UMP14 | UMP15 |

+----------+------------+-----------+-----------+-----------+-------------+-------------+

30 rows in set (0.00 sec)

mysql> desc batsman;

+------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+-------------+------+-----+---------+-------+

| team\_id | varchar(10) | YES | MUL | NULL | |

| first\_name | varchar(20) | YES | | NULL | |

| last\_name | varchar(20) | YES | | NULL | |

| type | varchar(30) | YES | | NULL | |

+------------+-------------+------+-----+---------+-------+

4 rows in set (0.01 sec)

mysql> insert into Batsman values('NZ','Kane','Williamson','Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('NZ','Martin','Guptill','Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Aus','Aaron','Finch','Right Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('Aus','Steven','Smith','Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Aus','David','Warner','Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('Pak','Babar','Azam','Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Pak','Fakhar','Zaman','Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('NZ','Devon','Conway','Left Handed');

Query OK, 1 row affected (0.01 sec)

mysql> delete from Batsman where first\_name='Devon';

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('NZ','Devon','Conway','(Wk)Left Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('NZ','Glenn','Phillips','(Wk)Right Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('Aus','Matthew','Wade','(Wk)Left Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Pak','Mohammad','Rizwan','(Wk)Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Pak','Sarfaraz','Ahmed','(Wk)Right Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('IND','Virat','Kohil','Right Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('IND','Rohit','Sharma','Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('IND','KL','Rahul','(Wk)Right Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('IND','Ishan','Kishan','(Wk)Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('IND','Rishabh','Pant','(Wk)Left Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Ban','Mushfiqur','Rahim','(Wk)Right Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('Ban','Liton','Das','(Wk)Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Ban','Soumya','Sarkar','Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('Eng','Dawid','Malan','Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('Eng','Eoin','Morgan','Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('Eng','Jason','Roy','Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Eng','Liam','Livingstone','Right Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('Eng','Jonny','Bairstow','(Wk)Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Eng','Jos','Buttler','(Wk)Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Eng','Sam','Billings','(Wk)Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('RSA','Quinton','de Kock','(Wk)Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('RSA','Heinrich','Klaasen','(Wk)Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('RSA','Rassie van der','Dussen','Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('RSA','Aiden','Markram','Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('RSA','David','Miller','Left Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Sco','George','Munsey','Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('Sco','Kyle','Coetzer','Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Sco','Craig','Wallace','(Wk)Right Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('Sco','Matthew','Cross','(Wk)Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Afg','Mohammad','Shahzad','(Wk)Right Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('Afg','Asghar','Afghan','Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('Afg','Najibullah','Zardran','Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('Afg','Hazratullah','Zazai','Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('WI','Chris','Gayle','Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('WI','Evin','Lewis','Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('WI','Shimron','Hetmyer','Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('WI','Lendl','Simmons','Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('WI','Nicholas','Pooran','(Wk)Left Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('SL','Kusal','Perera','(Wk)Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('SL','Dinesh','Chandimal','(Wk)Right Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('SL','Bhanuka','Rajapaksa','Left Handed');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Batsman values('SL','Avishka','Fernando','Left Handed');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Batsman values('IND','Suryakumar','Yadav','Right Handed');

Query OK, 1 row affected (0.00 sec)

mysql> select \* from Batsman;

+---------+----------------+-------------+------------------+

| team\_id | first\_name | last\_name | type |

+---------+----------------+-------------+------------------+

| NZ | Kane | Williamson | Right Handed |

| NZ | Martin | Guptill | Right Handed |

| Aus | Aaron | Finch | Right Handed |

| Aus | Steven | Smith | Right Handed |

| Aus | David | Warner | Left Handed |

| Pak | Babar | Azam | Right Handed |

| Pak | Fakhar | Zaman | Left Handed |

| NZ | Devon | Conway | (Wk)Left Handed |

| NZ | Glenn | Phillips | (Wk)Right Handed |

| Aus | Matthew | Wade | (Wk)Left Handed |

| Pak | Mohammad | Rizwan | (Wk)Right Handed |

| Pak | Sarfaraz | Ahmed | (Wk)Right Handed |

| IND | Virat | Kohil | Right Handed |

| IND | Rohit | Sharma | Right Handed |

| IND | KL | Rahul | (Wk)Right Handed |

| IND | Ishan | Kishan | (Wk)Left Handed |

| IND | Rishabh | Pant | (Wk)Left Handed |

| Ban | Mushfiqur | Rahim | (Wk)Right Handed |

| Ban | Liton | Das | (Wk)Right Handed |

| Ban | Soumya | Sarkar | Left Handed |

| Eng | Dawid | Malan | Left Handed |

| Eng | Eoin | Morgan | Left Handed |

| Eng | Jason | Roy | Right Handed |

| Eng | Liam | Livingstone | Right Handed |

| Eng | Jonny | Bairstow | (Wk)Right Handed |

| Eng | Jos | Buttler | (Wk)Right Handed |

| Eng | Sam | Billings | (Wk)Right Handed |

| RSA | Quinton | de Kock | (Wk)Left Handed |

| RSA | Heinrich | Klaasen | (Wk)Right Handed |

| RSA | Rassie van der | Dussen | Right Handed |

| RSA | Aiden | Markram | Right Handed |

| RSA | David | Miller | Left Handed |

| Sco | George | Munsey | Left Handed |

| Sco | Kyle | Coetzer | Right Handed |

| Sco | Craig | Wallace | (Wk)Right Handed |

| Sco | Matthew | Cross | (Wk)Right Handed |

| Afg | Mohammad | Shahzad | (Wk)Right Handed |

| Afg | Asghar | Afghan | Right Handed |

| Afg | Najibullah | Zardran | Left Handed |

| Afg | Hazratullah | Zazai | Left Handed |

| WI | Chris | Gayle | Left Handed |

| WI | Evin | Lewis | Left Handed |

| WI | Shimron | Hetmyer | Left Handed |

| WI | Lendl | Simmons | Right Handed |

| WI | Nicholas | Pooran | (Wk)Left Handed |

| SL | Kusal | Perera | (Wk)Left Handed |

| SL | Dinesh | Chandimal | (Wk)Right Handed |

| SL | Bhanuka | Rajapaksa | Left Handed |

| SL | Avishka | Fernando | Left Handed |

| IND | Suryakumar | Yadav | Right Handed |

+---------+----------------+-------------+------------------+

50 rows in set (0.00 sec)

mysql> desc Bowlers;

+------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+-------------+------+-----+---------+-------+

| team\_id | varchar(10) | YES | MUL | NULL | |

| first\_name | varchar(20) | YES | | NULL | |

| last\_name | varchar(20) | YES | | NULL | |

| role | varchar(20) | YES | | NULL | |

| type | varchar(20) | YES | | NULL | |

+------------+-------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

mysql> insert into Bowlers values('NZ','Trent','Boult','Pacer','Left Arm');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('NZ','Kyle','Jamieson','Pacer','Right Arm');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('NZ','Tim','Southee','Pacer','Right Arm');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('NZ','Ish','Sodhi','Spinner','Right Arm');

Query OK, 1 row affected (0.01 sec)

mysql> alter table Bowlers add column style varchar(20);

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> update Bowlers set style = 'Fast' where type = 'Left Arm';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from Bowlers;

+---------+------------+-----------+---------+-----------+-------+

| team\_id | first\_name | last\_name | role | type | style |

+---------+------------+-----------+---------+-----------+-------+

| NZ | Trent | Boult | Pacer | Left Arm | Fast |

| NZ | Kyle | Jamieson | Pacer | Right Arm | NULL |

| NZ | Tim | Southee | Pacer | Right Arm | NULL |

| NZ | Ish | Sodhi | Spinner | Right Arm | NULL |

+---------+------------+-----------+---------+-----------+-------+

4 rows in set (0.00 sec)

mysql> update Bowlers set style = 'medium-fast' where type = 'Right Arm';

Query OK, 3 rows affected (0.01 sec)

Rows matched: 3 Changed: 3 Warnings: 0

mysql> select \* from Bowlers;

+---------+------------+-----------+---------+-----------+-------------+

| team\_id | first\_name | last\_name | role | type | style |

+---------+------------+-----------+---------+-----------+-------------+

| NZ | Trent | Boult | Pacer | Left Arm | Fast |

| NZ | Kyle | Jamieson | Pacer | Right Arm | medium-fast |

| NZ | Tim | Southee | Pacer | Right Arm | medium-fast |

| NZ | Ish | Sodhi | Spinner | Right Arm | medium-fast |

+---------+------------+-----------+---------+-----------+-------------+

4 rows in set (0.00 sec)

mysql> update Bowlers set style = 'Legbreak' where first\_name = 'Ish';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from Bowlers;

+---------+------------+-----------+---------+-----------+-------------+

| team\_id | first\_name | last\_name | role | type | style |

+---------+------------+-----------+---------+-----------+-------------+

| NZ | Trent | Boult | Pacer | Left Arm | Fast |

| NZ | Kyle | Jamieson | Pacer | Right Arm | medium-fast |

| NZ | Tim | Southee | Pacer | Right Arm | medium-fast |

| NZ | Ish | Sodhi | Spinner | Right Arm | Legbreak |

+---------+------------+-----------+---------+-----------+-------------+

4 rows in set (0.00 sec)

mysql> insert into Bowlers values('Aus','Pat','Cummins','Pacer','Right Arm','medium-fast');

Query OK, 1 row affected (0.02 sec)

mysql> insert into Bowlers values('Aus','Josh','Hazlewood','Pacer','Right Arm','medium-fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('Aus','Kane','Richardson','Pacer','Right Arm','medium');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('Aus','Mitchell','Starc','Pacer','Left Arm','Fast');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('Aus','Adam','Zampa','Spinner','Right Arm','Legbreak');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('Aus','Mitchell','Swepson','Spinner','Right Arm','Legbreak');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('Pak','Haris','Rauf','Pacer','Right Arm','Fast');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('Pak','Shaheen','Afridi','Pacer','Left Arm','medium-fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('Pak','Hasan','Ali','Pacer','Right Arm','medium-fast');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('IND','Shardul','Thakur','Pacer','Right Arm','medium');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('IND','Mohammed','Shami','Pacer','Right Arm','medium-fast');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('IND','Bhuvneshwar','Kumar','Pacer','Right Arm','medium-fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('IND','Jasprit','Bumrah','Pacer','Right Arm','Fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('IND','Varun','Chakaravarthy','Spinner','Right Arm','Legbreak');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('IND','Rahul','Chahar','Spinner','Right Arm','Legbreak');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('Ban','Rubel','Hossain','Pacer','Right Arm','medium-fast');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('Ban','Taskin','Ahmed','Pacer','Right Arm','medium-fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('Ban','Mustafizur','Rahman','Pacer','Left Arm','medium-fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('Eng','Tymal','Mills','Pacer','Left Arm','medium-fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('Eng','Chris','Jordan','Pacer','Right Arm','medium-fast');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('Eng','Mark','Wood','Pacer','Right Arm','Fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('Eng','Adil','Rashid','Spinner','Right Arm','Legbreak');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('RSA','Tabraiz','Shamsi','Spinner','Left Arm','Chinaman');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('RSA','Keshav','Maharaj','Spinner','Left Arm','Orthodox');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('RSA','Anrich','Nortje','Pacer','Right Arm','Fast');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('RSA','Kagiso','Rabada','Pacer','Right Arm','Fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('RSA','Lungi','Ngidi','Pacer','Right Arm','Fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('Sco','Mark','Watt','Spinner','Left Arm','Orthodox');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('Sco','Safyaan','Sharif','Pacer','Right Arm','medium-fast');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('Sco','Chris','Greaves','Spinner','Right Arm','Legbreak');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('Sco','Bradley','Wheal','Pacer','Right Arm','medium-fast');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('Sco','Hamza','Tahir','Spinner','Left Arm','Orthodox');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('Afg','Rashid','Khan','Spinner','Right Arm','Legbreak');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('Afg','Mujeeb Ur','Rahman','Spinner','Right Arm','Offbreak');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('Afg','Karim','Janat','Pacer','Right Arm','Medium');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('Afg','Hamid','Hassan','Pacer','Right Arm','Fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('Afg','Fareed Ahmad','Malik','Pacer','Left Arm','medium-fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('WI','Oshane','Thomas','Pacer','Right Arm','Fast');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('WI','Akeal','Hosein','Spinner','Left Arm','Orthodox');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('WI','Hayden','Walsh','Spinner','Right Arm','Legbreak');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('SL','Dushmantha','Chameera','Pacer','Right Arm','Fast');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Bowlers values('SL','Chamika','Karunaratne','Pacer','Right Arm','medium-fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('SL','Lahiru','Kumara','Pacer','Right Arm','medium-fast');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Bowlers values('SL','Maheesh','Theekshana','Spinner','Right Arm','Offbreak');

Query OK, 1 row affected (0.00 sec)

mysql> select \* from Bowlers;

+---------+--------------+---------------+---------+-----------+-------------+

| team\_id | first\_name | last\_name | role | type | style |

+---------+--------------+---------------+---------+-----------+-------------+

| NZ | Trent | Boult | Pacer | Left Arm | Fast |

| NZ | Kyle | Jamieson | Pacer | Right Arm | medium-fast |

| NZ | Tim | Southee | Pacer | Right Arm | medium-fast |

| NZ | Ish | Sodhi | Spinner | Right Arm | Legbreak |

| Aus | Pat | Cummins | Pacer | Right Arm | medium-fast |

| Aus | Josh | Hazlewood | Pacer | Right Arm | medium-fast |

| Aus | Kane | Richardson | Pacer | Right Arm | medium |

| Aus | Mitchell | Starc | Pacer | Left Arm | Fast |

| Aus | Adam | Zampa | Spinner | Right Arm | Legbreak |

| Aus | Mitchell | Swepson | Spinner | Right Arm | Legbreak |

| Pak | Haris | Rauf | Pacer | Right Arm | Fast |

| Pak | Shaheen | Afridi | Pacer | Left Arm | medium-fast |

| Pak | Hasan | Ali | Pacer | Right Arm | medium-fast |

| IND | Shardul | Thakur | Pacer | Right Arm | medium |

| IND | Mohammed | Shami | Pacer | Right Arm | medium-fast |

| IND | Bhuvneshwar | Kumar | Pacer | Right Arm | medium-fast |

| IND | Jasprit | Bumrah | Pacer | Right Arm | Fast |

| IND | Varun | Chakaravarthy | Spinner | Right Arm | Legbreak |

| IND | Rahul | Chahar | Spinner | Right Arm | Legbreak |

| Ban | Rubel | Hossain | Pacer | Right Arm | medium-fast |

| Ban | Taskin | Ahmed | Pacer | Right Arm | medium-fast |

| Ban | Mustafizur | Rahman | Pacer | Left Arm | medium-fast |

| Eng | Tymal | Mills | Pacer | Left Arm | medium-fast |

| Eng | Chris | Jordan | Pacer | Right Arm | medium-fast |

| Eng | Mark | Wood | Pacer | Right Arm | Fast |

| Eng | Adil | Rashid | Spinner | Right Arm | Legbreak |

| RSA | Tabraiz | Shamsi | Spinner | Left Arm | Chinaman |

| RSA | Keshav | Maharaj | Spinner | Left Arm | Orthodox |

| RSA | Anrich | Nortje | Pacer | Right Arm | Fast |

| RSA | Kagiso | Rabada | Pacer | Right Arm | Fast |

| RSA | Lungi | Ngidi | Pacer | Right Arm | Fast |

| Sco | Mark | Watt | Spinner | Left Arm | Orthodox |

| Sco | Safyaan | Sharif | Pacer | Right Arm | medium-fast |

| Sco | Chris | Greaves | Spinner | Right Arm | Legbreak |

| Sco | Bradley | Wheal | Pacer | Right Arm | medium-fast |

| Sco | Hamza | Tahir | Spinner | Left Arm | Orthodox |

| Afg | Rashid | Khan | Spinner | Right Arm | Legbreak |

| Afg | Mujeeb Ur | Rahman | Spinner | Right Arm | Offbreak |

| Afg | Karim | Janat | Pacer | Right Arm | Medium |

| Afg | Hamid | Hassan | Pacer | Right Arm | Fast |

| Afg | Fareed Ahmad | Malik | Pacer | Left Arm | medium-fast |

| WI | Oshane | Thomas | Pacer | Right Arm | Fast |

| WI | Akeal | Hosein | Spinner | Left Arm | Orthodox |

| WI | Hayden | Walsh | Spinner | Right Arm | Legbreak |

| SL | Dushmantha | Chameera | Pacer | Right Arm | Fast |

| SL | Chamika | Karunaratne | Pacer | Right Arm | medium-fast |

| SL | Lahiru | Kumara | Pacer | Right Arm | medium-fast |

| SL | Maheesh | Theekshana | Spinner | Right Arm | Offbreak |

+---------+--------------+---------------+---------+-----------+-------------+

48 rows in set (0.01 sec)

mysql> Desc All\_Rounders;

+--------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------------+-------------+------+-----+---------+-------+

| team\_id | varchar(10) | YES | MUL | NULL | |

| first\_name | varchar(20) | YES | | NULL | |

| last\_name | varchar(20) | YES | | NULL | |

| batting\_type | varchar(30) | YES | | NULL | |

| bowling\_type | varchar(30) | YES | | NULL | |

+--------------+-------------+------+-----+---------+-------+

5 rows in set (0.03 sec)

mysql> alter table All\_Rounders drop Column batting\_type;

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table All\_Rounders drop Column bowling\_type;

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table All\_Rounders add Column role varchar(20);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table All\_Rounders add Column batting\_type varchar(30);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table All\_Rounders add Column bowling\_type varchar(30);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> Desc All\_Rounders;

+--------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------------+-------------+------+-----+---------+-------+

| team\_id | varchar(10) | YES | MUL | NULL | |

| first\_name | varchar(20) | YES | | NULL | |

| last\_name | varchar(20) | YES | | NULL | |

| role | varchar(20) | YES | | NULL | |

| batting\_type | varchar(30) | YES | | NULL | |

| bowling\_type | varchar(30) | YES | | NULL | |

+--------------+-------------+------+-----+---------+-------+

6 rows in set (0.01 sec)

mysql> insert into All\_Rounders values('NZ','Mitchell','Santner','Bowling Allrounder','Left Handed','Left Arm Orthodox');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('NZ','Daryl','Mitchell','Bowling Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.01 sec)

mysql> insert into All\_Rounders values('NZ','James','Neesham','Batting Allrounder','Left Handed','Right Arm Medium');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('Aus','Mitchell','Marsh','Batting Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('Aus','Marcus','Stoinis','Batting Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.01 sec)

mysql> insert into All\_Rounders values('Aus','Glenn','Maxwell','Batting Allrounder','Right Handed','Right Arm Offbreak');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('Aus','Ashton','Agar','Bowling Allrounder','Left Handed','Left Arm Orthodox');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('Pak','Mohammad','Hafeez','Batting Allrounder','Right Handed','Right Arm Offbreak');

Query OK, 1 row affected (0.01 sec)

mysql> insert into All\_Rounders values('Pak','Shoaib','Malik','Batting Allrounder','Right Handed','Right Arm Offbreak');

Query OK, 1 row affected (0.01 sec)

mysql> insert into All\_Rounders values('Pak','Shadab','Khan','Bowling Allrounder','Right Handed','Right Arm Legbreak');

Query OK, 1 row affected (0.01 sec)

mysql> insert into All\_Rounders values('Pak','Imad','Wasim','Bowling Allrounder','Left Handed','Left Arm Orthodox');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('IND','Hardik','Pandya','Batting Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('IND','Ravindra','Jadeja','Bowling Allrounder','Left Handed','Left Arm Orthodox');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('IND','Ravichandran','Ashwin','Bowling Allrounder','Right Handed','Right Arm Offbreak');

Query OK, 1 row affected (0.01 sec)

mysql> insert into All\_Rounders values('Ban','Mahmudullah','','Batting Allrounder','Right Handed','Right Arm Offbreak');

Query OK, 1 row affected (0.01 sec)

mysql> insert into All\_Rounders values('Ban','Shakib Al','Hasan','Batting Allrounder','Left Handed','Left Arm Orthodox');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('Ban','Mahedi','Hasan','Batting Allrounder','Right Handed','Right Arm Offbreak');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('Eng','Moeen','Ali','Batting Allrounder','Left Handed','Right Arm Offbreak');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('Eng','Chris','Woakes','Bowling Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('Eng','David','Willey','Bowing Allrounder','Left Handed','Left Arm Medium');

Query OK, 1 row affected (0.01 sec)

mysql> insert into All\_Rounders values('RSA','Dwaine','Pretorius','Bowing Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.01 sec)

mysql> insert into All\_Rounders values('Sco','Richie','Berrington','Batting Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('Sco','Alasdair','Evans','Bowling Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.01 sec)

mysql> insert into All\_Rounders values('Sco','Michael','Leask','Batting Allrounder','Right Handed','Right Arm Offbreak');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('Afg','Mohammad','Nabi','Bowling Allrounder','Right Handed','Right Arm Offbreak');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('Afg','Gulbadin','Naib','Bowling Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('WI','Kieron','Pollard','Batting Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('WI','Dwayne','Bravo','Batting Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('WI','Andre','Russell','Bowling Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('WI','Jason','Holder','Bowling Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('WI','Roston','Chase','Bowling Allrounder','Right Handed','Right Arm Offbreak');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('SL','Dasun','Shanaka','Batting Allrounder','Right Handed','Right Arm Medium');

Query OK, 1 row affected (0.00 sec)

mysql> insert into All\_Rounders values('SL','Dhananjaya de','Silva','Batting Allrounder','Right Handed','Right Arm Offbreak');

Query OK, 1 row affected (0.01 sec)

mysql> insert into All\_Rounders values('SL','Charith','Asalanka','Bowling Allrounder','Left Handed','Right Arm Offbreak');

Query OK, 1 row affected (0.01 sec)

mysql> insert into All\_Rounders values('SL','Wanindu','Hasaranga','Bowling Allrounder','Right Handed','Right Arm Legbreak');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from All\_Rounders;

+---------+---------------+------------+--------------------+--------------+--------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type |

+---------+---------------+------------+--------------------+--------------+--------------------+

| NZ | Mitchell | Santner | Bowling Allrounder | Left Handed | Left Arm Orthodox |

| NZ | Daryl | Mitchell | Bowling Allrounder | Right Handed | Right Arm Medium |

| NZ | James | Neesham | Batting Allrounder | Left Handed | Right Arm Medium |

| Aus | Mitchell | Marsh | Batting Allrounder | Right Handed | Right Arm Medium |

| Aus | Marcus | Stoinis | Batting Allrounder | Right Handed | Right Arm Medium |

| Aus | Glenn | Maxwell | Batting Allrounder | Right Handed | Right Arm Offbreak |

| Aus | Ashton | Agar | Bowling Allrounder | Left Handed | Left Arm Orthodox |

| Pak | Mohammad | Hafeez | Batting Allrounder | Right Handed | Right Arm Offbreak |

| Pak | Shoaib | Malik | Batting Allrounder | Right Handed | Right Arm Offbreak |

| Pak | Shadab | Khan | Bowling Allrounder | Right Handed | Right Arm Legbreak |

| Pak | Imad | Wasim | Bowling Allrounder | Left Handed | Left Arm Orthodox |

| IND | Hardik | Pandya | Batting Allrounder | Right Handed | Right Arm Medium |

| IND | Ravindra | Jadeja | Bowling Allrounder | Left Handed | Left Arm Orthodox |

| IND | Ravichandran | Ashwin | Bowling Allrounder | Right Handed | Right Arm Offbreak |

| Ban | Mahmudullah | | Batting Allrounder | Right Handed | Right Arm Offbreak |

| Ban | Shakib Al | Hasan | Batting Allrounder | Left Handed | Left Arm Orthodox |

| Ban | Mahedi | Hasan | Batting Allrounder | Right Handed | Right Arm Offbreak |

| Eng | Moeen | Ali | Batting Allrounder | Left Handed | Right Arm Offbreak |

| Eng | Chris | Woakes | Bowling Allrounder | Right Handed | Right Arm Medium |

| Eng | David | Willey | Bowing Allrounder | Left Handed | Left Arm Medium |

| RSA | Dwaine | Pretorius | Bowing Allrounder | Right Handed | Right Arm Medium |

| Sco | Richie | Berrington | Batting Allrounder | Right Handed | Right Arm Medium |

| Sco | Alasdair | Evans | Bowling Allrounder | Right Handed | Right Arm Medium |

| Sco | Michael | Leask | Batting Allrounder | Right Handed | Right Arm Offbreak |

| Afg | Mohammad | Nabi | Bowling Allrounder | Right Handed | Right Arm Offbreak |

| Afg | Gulbadin | Naib | Bowling Allrounder | Right Handed | Right Arm Medium |

| WI | Kieron | Pollard | Batting Allrounder | Right Handed | Right Arm Medium |

| WI | Dwayne | Bravo | Batting Allrounder | Right Handed | Right Arm Medium |

| WI | Andre | Russell | Bowling Allrounder | Right Handed | Right Arm Medium |

| WI | Jason | Holder | Bowling Allrounder | Right Handed | Right Arm Medium |

| WI | Roston | Chase | Bowling Allrounder | Right Handed | Right Arm Offbreak |

| SL | Dasun | Shanaka | Batting Allrounder | Right Handed | Right Arm Medium |

| SL | Dhananjaya de | Silva | Batting Allrounder | Right Handed | Right Arm Offbreak |

| SL | Charith | Asalanka | Bowling Allrounder | Left Handed | Right Arm Offbreak |

| SL | Wanindu | Hasaranga | Bowling Allrounder | Right Handed | Right Arm Legbreak |

+---------+---------------+------------+--------------------+--------------+--------------------+

35 rows in set (0.00 sec)

mysql> alter table Bowlers add bowler\_player\_id varchar(10);

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table Bowlers add Constraint Fk\_bowler\_player\_id foreignkey(bowler\_player\_id) references Players(player\_id);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'foreignkey(bowler\_player\_id) references Players(player\_id)' at line 1

mysql> alter table Bowlers add Constraint Fk\_player\_id foreignkey(bowler\_player\_id) references Players(player\_id);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'foreignkey(bowler\_player\_id) references Players(player\_id)' at line 1

mysql> alter table Bowlers add Constraint Fk\_bowler\_player\_id foreign key(bowler\_player\_id) references Players(player\_id);

Query OK, 48 rows affected (0.05 sec)

Records: 48 Duplicates: 0 Warnings: 0

mysql> select \* from Bowlers;

+---------+--------------+---------------+---------+-----------+-------------+------------------+

| team\_id | first\_name | last\_name | role | type | style | bowler\_player\_id |

+---------+--------------+---------------+---------+-----------+-------------+------------------+

| NZ | Trent | Boult | Pacer | Left Arm | Fast | NULL |

| NZ | Kyle | Jamieson | Pacer | Right Arm | medium-fast | NULL |

| NZ | Tim | Southee | Pacer | Right Arm | medium-fast | NULL |

| NZ | Ish | Sodhi | Spinner | Right Arm | Legbreak | NULL |

| Aus | Pat | Cummins | Pacer | Right Arm | medium-fast | NULL |

| Aus | Josh | Hazlewood | Pacer | Right Arm | medium-fast | NULL |

| Aus | Kane | Richardson | Pacer | Right Arm | medium | NULL |

| Aus | Mitchell | Starc | Pacer | Left Arm | Fast | NULL |

| Aus | Adam | Zampa | Spinner | Right Arm | Legbreak | NULL |

| Aus | Mitchell | Swepson | Spinner | Right Arm | Legbreak | NULL |

| Pak | Haris | Rauf | Pacer | Right Arm | Fast | NULL |

| Pak | Shaheen | Afridi | Pacer | Left Arm | medium-fast | NULL |

| Pak | Hasan | Ali | Pacer | Right Arm | medium-fast | NULL |

| IND | Shardul | Thakur | Pacer | Right Arm | medium | NULL |

| IND | Mohammed | Shami | Pacer | Right Arm | medium-fast | NULL |

| IND | Bhuvneshwar | Kumar | Pacer | Right Arm | medium-fast | NULL |

| IND | Jasprit | Bumrah | Pacer | Right Arm | Fast | NULL |

| IND | Varun | Chakaravarthy | Spinner | Right Arm | Legbreak | NULL |

| IND | Rahul | Chahar | Spinner | Right Arm | Legbreak | NULL |

| Ban | Rubel | Hossain | Pacer | Right Arm | medium-fast | NULL |

| Ban | Taskin | Ahmed | Pacer | Right Arm | medium-fast | NULL |

| Ban | Mustafizur | Rahman | Pacer | Left Arm | medium-fast | NULL |

| Eng | Tymal | Mills | Pacer | Left Arm | medium-fast | NULL |

| Eng | Chris | Jordan | Pacer | Right Arm | medium-fast | NULL |

| Eng | Mark | Wood | Pacer | Right Arm | Fast | NULL |

| Eng | Adil | Rashid | Spinner | Right Arm | Legbreak | NULL |

| RSA | Tabraiz | Shamsi | Spinner | Left Arm | Chinaman | NULL |

| RSA | Keshav | Maharaj | Spinner | Left Arm | Orthodox | NULL |

| RSA | Anrich | Nortje | Pacer | Right Arm | Fast | NULL |

| RSA | Kagiso | Rabada | Pacer | Right Arm | Fast | NULL |

| RSA | Lungi | Ngidi | Pacer | Right Arm | Fast | NULL |

| Sco | Mark | Watt | Spinner | Left Arm | Orthodox | NULL |

| Sco | Safyaan | Sharif | Pacer | Right Arm | medium-fast | NULL |

| Sco | Chris | Greaves | Spinner | Right Arm | Legbreak | NULL |

| Sco | Bradley | Wheal | Pacer | Right Arm | medium-fast | NULL |

| Sco | Hamza | Tahir | Spinner | Left Arm | Orthodox | NULL |

| Afg | Rashid | Khan | Spinner | Right Arm | Legbreak | NULL |

| Afg | Mujeeb Ur | Rahman | Spinner | Right Arm | Offbreak | NULL |

| Afg | Karim | Janat | Pacer | Right Arm | Medium | NULL |

| Afg | Hamid | Hassan | Pacer | Right Arm | Fast | NULL |

| Afg | Fareed Ahmad | Malik | Pacer | Left Arm | medium-fast | NULL |

| WI | Oshane | Thomas | Pacer | Right Arm | Fast | NULL |

| WI | Akeal | Hosein | Spinner | Left Arm | Orthodox | NULL |

| WI | Hayden | Walsh | Spinner | Right Arm | Legbreak | NULL |

| SL | Dushmantha | Chameera | Pacer | Right Arm | Fast | NULL |

| SL | Chamika | Karunaratne | Pacer | Right Arm | medium-fast | NULL |

| SL | Lahiru | Kumara | Pacer | Right Arm | medium-fast | NULL |

| SL | Maheesh | Theekshana | Spinner | Right Arm | Offbreak | NULL |

+---------+--------------+---------------+---------+-----------+-------------+------------------+

48 rows in set (0.00 sec)

mysql> select \* from Bowlers where team\_id = 'SL';

+---------+------------+-------------+---------+-----------+-------------+------------------+

| team\_id | first\_name | last\_name | role | type | style | bowler\_player\_id |

+---------+------------+-------------+---------+-----------+-------------+------------------+

| SL | Dushmantha | Chameera | Pacer | Right Arm | Fast | NULL |

| SL | Chamika | Karunaratne | Pacer | Right Arm | medium-fast | NULL |

| SL | Lahiru | Kumara | Pacer | Right Arm | medium-fast | NULL |

| SL | Maheesh | Theekshana | Spinner | Right Arm | Offbreak | NULL |

+---------+------------+-------------+---------+-----------+-------------+------------------+

4 rows in set (0.00 sec)

mysql> update Bowlers set bowlers\_player\_id = 'DC05' where last\_name = 'Chameera';

ERROR 1054 (42S22): Unknown column 'bowlers\_player\_id' in 'field list'

mysql> update Bowlers set bowlers\_player\_id = 'DC05' where last\_name = 'Chameera';

ERROR 1054 (42S22): Unknown column 'bowlers\_player\_id' in 'field list'

mysql> update Bowlers set bowler\_player\_id = 'DC05' where last\_name = 'Chameera';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from Bowlers where team\_id = 'WI';

+---------+------------+-----------+---------+-----------+----------+------------------+

| team\_id | first\_name | last\_name | role | type | style | bowler\_player\_id |

+---------+------------+-----------+---------+-----------+----------+------------------+

| WI | Oshane | Thomas | Pacer | Right Arm | Fast | NULL |

| WI | Akeal | Hosein | Spinner | Left Arm | Orthodox | NULL |

| WI | Hayden | Walsh | Spinner | Right Arm | Legbreak | NULL |

+---------+------------+-----------+---------+-----------+----------+------------------+

3 rows in set (0.00 sec)

mysql> select \* from Bowlers where team\_id = 'Ban';

+---------+------------+-----------+-------+-----------+-------------+------------------+

| team\_id | first\_name | last\_name | role | type | style | bowler\_player\_id |

+---------+------------+-----------+-------+-----------+-------------+------------------+

| Ban | Rubel | Hossain | Pacer | Right Arm | medium-fast | NULL |

| Ban | Taskin | Ahmed | Pacer | Right Arm | medium-fast | NULL |

| Ban | Mustafizur | Rahman | Pacer | Left Arm | medium-fast | NULL |

+---------+------------+-----------+-------+-----------+-------------+------------------+

3 rows in set (0.00 sec)

mysql> update Bowlers set bowler\_player\_id = 'Rubel' where last\_name = 'Hossain';

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`t20worldcup\_2021\_grpa\_prac2`.`bowlers`, CONSTRAINT `Fk\_bowler\_player\_id` FOREIGN KEY (`bowler\_player\_id`) REFERENCES `players` (`player\_id`))

mysql> update Bowlers set bowler\_player\_id = 'RH34' where last\_name = 'Hossain';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Bowlers set bowler\_player\_id = 'TA03' where last\_name = 'Ahmed';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Bowlers set bowler\_player\_id = 'MR15' where last\_name = 'Rahman';

Query OK, 2 rows affected (0.00 sec)

Rows matched: 2 Changed: 2 Warnings: 0

mysql> select \* from Bowlers where team\_id = 'Aus';

+---------+------------+------------+---------+-----------+-------------+------------------+

| team\_id | first\_name | last\_name | role | type | style | bowler\_player\_id |

+---------+------------+------------+---------+-----------+-------------+------------------+

| Aus | Pat | Cummins | Pacer | Right Arm | medium-fast | NULL |

| Aus | Josh | Hazlewood | Pacer | Right Arm | medium-fast | NULL |

| Aus | Kane | Richardson | Pacer | Right Arm | medium | NULL |

| Aus | Mitchell | Starc | Pacer | Left Arm | Fast | NULL |

| Aus | Adam | Zampa | Spinner | Right Arm | Legbreak | NULL |

| Aus | Mitchell | Swepson | Spinner | Right Arm | Legbreak | NULL |

+---------+------------+------------+---------+-----------+-------------+------------------+

6 rows in set (0.00 sec)

mysql> update Bowlers set bowler\_player\_id = 'AZ63' where last\_name = 'Zampa';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Bowlers set bowler\_player\_id = 'MS56' where last\_name = 'Starc';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Bowlers set bowler\_player\_id = 'PC30' where last\_name = 'Cummins';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from Bowlers where team\_id = 'Eng';

+---------+------------+-----------+---------+-----------+-------------+------------------+

| team\_id | first\_name | last\_name | role | type | style | bowler\_player\_id |

+---------+------------+-----------+---------+-----------+-------------+------------------+

| Eng | Tymal | Mills | Pacer | Left Arm | medium-fast | NULL |

| Eng | Chris | Jordan | Pacer | Right Arm | medium-fast | NULL |

| Eng | Mark | Wood | Pacer | Right Arm | Fast | NULL |

| Eng | Adil | Rashid | Spinner | Right Arm | Legbreak | NULL |

+---------+------------+-----------+---------+-----------+-------------+------------------+

4 rows in set (0.00 sec)

mysql> update Bowlers set bowler\_player\_id = 'AR95' where last\_name = 'Rashid';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Bowlers set bowler\_player\_id = 'CJ34' where last\_name = 'Jordan';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Bowlers set bowler\_player\_id = 'MW33' where last\_name = 'Wood';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from Bowlers where team\_id = 'Sco';

+---------+------------+-----------+---------+-----------+-------------+------------------+

| team\_id | first\_name | last\_name | role | type | style | bowler\_player\_id |

+---------+------------+-----------+---------+-----------+-------------+------------------+

| Sco | Mark | Watt | Spinner | Left Arm | Orthodox | NULL |

| Sco | Safyaan | Sharif | Pacer | Right Arm | medium-fast | NULL |

| Sco | Chris | Greaves | Spinner | Right Arm | Legbreak | NULL |

| Sco | Bradley | Wheal | Pacer | Right Arm | medium-fast | NULL |

| Sco | Hamza | Tahir | Spinner | Left Arm | Orthodox | NULL |

+---------+------------+-----------+---------+-----------+-------------+------------------+

5 rows in set (0.00 sec)

mysql> update Bowlers set bowler\_player\_id = 'MW51' where last\_name = 'Watt';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Bowlers set bowler\_player\_id = 'SS50' where last\_name = 'Sharif';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from Bowlers where team\_id = 'Nam';

Empty set (0.00 sec)

mysql> select \* from Bowlers where team\_id = 'Afg';

+---------+--------------+-----------+---------+-----------+-------------+------------------+

| team\_id | first\_name | last\_name | role | type | style | bowler\_player\_id |

+---------+--------------+-----------+---------+-----------+-------------+------------------+

| Afg | Rashid | Khan | Spinner | Right Arm | Legbreak | NULL |

| Afg | Mujeeb Ur | Rahman | Spinner | Right Arm | Offbreak | MR15 |

| Afg | Karim | Janat | Pacer | Right Arm | Medium | NULL |

| Afg | Hamid | Hassan | Pacer | Right Arm | Fast | NULL |

| Afg | Fareed Ahmad | Malik | Pacer | Left Arm | medium-fast | NULL |

+---------+--------------+-----------+---------+-----------+-------------+------------------+

5 rows in set (0.00 sec)

mysql> update Bowlers set bowler\_player\_id = 'RK19' where last\_name = 'Khan';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Bowlers set bowler\_player\_id = 'MUR88' where first\_name = 'Mujeeb Ur';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Bowlers set bowler\_player\_id = 'HH66' where first\_name = 'Hamid';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from Bowlers where team\_id = 'Nz';

+---------+------------+-----------+---------+-----------+-------------+------------------+

| team\_id | first\_name | last\_name | role | type | style | bowler\_player\_id |

+---------+------------+-----------+---------+-----------+-------------+------------------+

| NZ | Trent | Boult | Pacer | Left Arm | Fast | NULL |

| NZ | Kyle | Jamieson | Pacer | Right Arm | medium-fast | NULL |

| NZ | Tim | Southee | Pacer | Right Arm | medium-fast | NULL |

| NZ | Ish | Sodhi | Spinner | Right Arm | Legbreak | NULL |

+---------+------------+-----------+---------+-----------+-------------+------------------+

4 rows in set (0.00 sec)

mysql> update Bowlers set bowler\_player\_id = 'IS61' where last\_name = 'Sodhi';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Bowlers set bowler\_player\_id = 'TB18' where last\_name = 'Boult';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Bowlers set bowler\_player\_id = 'TS38' where last\_name = 'Southee';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from Bowlers where team\_id = 'IND';

+---------+-------------+---------------+---------+-----------+-------------+------------------+

| team\_id | first\_name | last\_name | role | type | style | bowler\_player\_id |

+---------+-------------+---------------+---------+-----------+-------------+------------------+

| IND | Shardul | Thakur | Pacer | Right Arm | medium | NULL |

| IND | Mohammed | Shami | Pacer | Right Arm | medium-fast | NULL |

| IND | Bhuvneshwar | Kumar | Pacer | Right Arm | medium-fast | NULL |

| IND | Jasprit | Bumrah | Pacer | Right Arm | Fast | NULL |

| IND | Varun | Chakaravarthy | Spinner | Right Arm | Legbreak | NULL |

| IND | Rahul | Chahar | Spinner | Right Arm | Legbreak | NULL |

+---------+-------------+---------------+---------+-----------+-------------+------------------+

6 rows in set (0.00 sec)

mysql> update Bowlers set bowler\_player\_id = 'MS11' where last\_name = 'Shami';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Bowlers set bowler\_player\_id = 'JB93' where last\_name = 'Bumrah';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Bowlers set bowler\_player\_id = 'BK15' where last\_name = 'Kumar';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from Bowlers;

+---------+--------------+---------------+---------+-----------+-------------+------------------+

| team\_id | first\_name | last\_name | role | type | style | bowler\_player\_id |

+---------+--------------+---------------+---------+-----------+-------------+------------------+

| NZ | Trent | Boult | Pacer | Left Arm | Fast | TB18 |

| NZ | Kyle | Jamieson | Pacer | Right Arm | medium-fast | NULL |

| NZ | Tim | Southee | Pacer | Right Arm | medium-fast | TS38 |

| NZ | Ish | Sodhi | Spinner | Right Arm | Legbreak | IS61 |

| Aus | Pat | Cummins | Pacer | Right Arm | medium-fast | PC30 |

| Aus | Josh | Hazlewood | Pacer | Right Arm | medium-fast | NULL |

| Aus | Kane | Richardson | Pacer | Right Arm | medium | NULL |

| Aus | Mitchell | Starc | Pacer | Left Arm | Fast | MS56 |

| Aus | Adam | Zampa | Spinner | Right Arm | Legbreak | AZ63 |

| Aus | Mitchell | Swepson | Spinner | Right Arm | Legbreak | NULL |

| Pak | Haris | Rauf | Pacer | Right Arm | Fast | NULL |

| Pak | Shaheen | Afridi | Pacer | Left Arm | medium-fast | NULL |

| Pak | Hasan | Ali | Pacer | Right Arm | medium-fast | NULL |

| IND | Shardul | Thakur | Pacer | Right Arm | medium | NULL |

| IND | Mohammed | Shami | Pacer | Right Arm | medium-fast | MS11 |

| IND | Bhuvneshwar | Kumar | Pacer | Right Arm | medium-fast | BK15 |

| IND | Jasprit | Bumrah | Pacer | Right Arm | Fast | JB93 |

| IND | Varun | Chakaravarthy | Spinner | Right Arm | Legbreak | NULL |

| IND | Rahul | Chahar | Spinner | Right Arm | Legbreak | NULL |

| Ban | Rubel | Hossain | Pacer | Right Arm | medium-fast | RH34 |

| Ban | Taskin | Ahmed | Pacer | Right Arm | medium-fast | TA03 |

| Ban | Mustafizur | Rahman | Pacer | Left Arm | medium-fast | MR15 |

| Eng | Tymal | Mills | Pacer | Left Arm | medium-fast | NULL |

| Eng | Chris | Jordan | Pacer | Right Arm | medium-fast | CJ34 |

| Eng | Mark | Wood | Pacer | Right Arm | Fast | MW33 |

| Eng | Adil | Rashid | Spinner | Right Arm | Legbreak | AR95 |

| RSA | Tabraiz | Shamsi | Spinner | Left Arm | Chinaman | NULL |

| RSA | Keshav | Maharaj | Spinner | Left Arm | Orthodox | NULL |

| RSA | Anrich | Nortje | Pacer | Right Arm | Fast | NULL |

| RSA | Kagiso | Rabada | Pacer | Right Arm | Fast | NULL |

| RSA | Lungi | Ngidi | Pacer | Right Arm | Fast | NULL |

| Sco | Mark | Watt | Spinner | Left Arm | Orthodox | MW51 |

| Sco | Safyaan | Sharif | Pacer | Right Arm | medium-fast | SS50 |

| Sco | Chris | Greaves | Spinner | Right Arm | Legbreak | NULL |

| Sco | Bradley | Wheal | Pacer | Right Arm | medium-fast | NULL |

| Sco | Hamza | Tahir | Spinner | Left Arm | Orthodox | NULL |

| Afg | Rashid | Khan | Spinner | Right Arm | Legbreak | RK19 |

| Afg | Mujeeb Ur | Rahman | Spinner | Right Arm | Offbreak | MUR88 |

| Afg | Karim | Janat | Pacer | Right Arm | Medium | NULL |

| Afg | Hamid | Hassan | Pacer | Right Arm | Fast | HH66 |

| Afg | Fareed Ahmad | Malik | Pacer | Left Arm | medium-fast | NULL |

| WI | Oshane | Thomas | Pacer | Right Arm | Fast | NULL |

| WI | Akeal | Hosein | Spinner | Left Arm | Orthodox | NULL |

| WI | Hayden | Walsh | Spinner | Right Arm | Legbreak | NULL |

| SL | Dushmantha | Chameera | Pacer | Right Arm | Fast | DC05 |

| SL | Chamika | Karunaratne | Pacer | Right Arm | medium-fast | NULL |

| SL | Lahiru | Kumara | Pacer | Right Arm | medium-fast | NULL |

| SL | Maheesh | Theekshana | Spinner | Right Arm | Offbreak | NULL |

+---------+--------------+---------------+---------+-----------+-------------+------------------+

48 rows in set (0.00 sec)

mysql> alter table All\_Rounders add all\_rounder\_player\_id varchar(10);

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table All\_Rounders add Constraint Fk\_all\_rounder\_player\_id foreign key(all\_rounder\_player\_id) references Players(player\_id);

Query OK, 35 rows affected (0.04 sec)

Records: 35 Duplicates: 0 Warnings: 0

mysql> select \* from All\_Rounders;

+---------+---------------+------------+--------------------+--------------+--------------------+-----------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type | all\_rounder\_player\_id |

+---------+---------------+------------+--------------------+--------------+--------------------+-----------------------+

| NZ | Mitchell | Santner | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

| NZ | Daryl | Mitchell | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| NZ | James | Neesham | Batting Allrounder | Left Handed | Right Arm Medium | NULL |

| Aus | Mitchell | Marsh | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| Aus | Marcus | Stoinis | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| Aus | Glenn | Maxwell | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Aus | Ashton | Agar | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

| Pak | Mohammad | Hafeez | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Pak | Shoaib | Malik | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Pak | Shadab | Khan | Bowling Allrounder | Right Handed | Right Arm Legbreak | NULL |

| Pak | Imad | Wasim | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

| IND | Hardik | Pandya | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| IND | Ravindra | Jadeja | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

| IND | Ravichandran | Ashwin | Bowling Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Ban | Mahmudullah | | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Ban | Shakib Al | Hasan | Batting Allrounder | Left Handed | Left Arm Orthodox | NULL |

| Ban | Mahedi | Hasan | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Eng | Moeen | Ali | Batting Allrounder | Left Handed | Right Arm Offbreak | NULL |

| Eng | Chris | Woakes | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| Eng | David | Willey | Bowing Allrounder | Left Handed | Left Arm Medium | NULL |

| RSA | Dwaine | Pretorius | Bowing Allrounder | Right Handed | Right Arm Medium | NULL |

| Sco | Richie | Berrington | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| Sco | Alasdair | Evans | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| Sco | Michael | Leask | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Afg | Mohammad | Nabi | Bowling Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Afg | Gulbadin | Naib | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| WI | Kieron | Pollard | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| WI | Dwayne | Bravo | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| WI | Andre | Russell | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| WI | Jason | Holder | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| WI | Roston | Chase | Bowling Allrounder | Right Handed | Right Arm Offbreak | NULL |

| SL | Dasun | Shanaka | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| SL | Dhananjaya de | Silva | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| SL | Charith | Asalanka | Bowling Allrounder | Left Handed | Right Arm Offbreak | NULL |

| SL | Wanindu | Hasaranga | Bowling Allrounder | Right Handed | Right Arm Legbreak | NULL |

+---------+---------------+------------+--------------------+--------------+--------------------+-----------------------+

35 rows in set (0.00 sec)

mysql> select \* from All\_Rounders where team\_id = 'SL';

+---------+---------------+-----------+--------------------+--------------+--------------------+-----------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type | all\_rounder\_player\_id |

+---------+---------------+-----------+--------------------+--------------+--------------------+-----------------------+

| SL | Dasun | Shanaka | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| SL | Dhananjaya de | Silva | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| SL | Charith | Asalanka | Bowling Allrounder | Left Handed | Right Arm Offbreak | NULL |

| SL | Wanindu | Hasaranga | Bowling Allrounder | Right Handed | Right Arm Legbreak | NULL |

+---------+---------------+-----------+--------------------+--------------+--------------------+-----------------------+

4 rows in set (0.00 sec)

mysql> update All\_Rounders set all\_rounder\_player\_id = 'DS07' where last\_name = 'Shanaka';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update All\_Rounders set all\_rounder\_player\_id = 'WH49' where last\_name = 'Hasaranga';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from All\_Rounders where team\_id = 'WI';

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type | all\_rounder\_player\_id |

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

| WI | Kieron | Pollard | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| WI | Dwayne | Bravo | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| WI | Andre | Russell | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| WI | Jason | Holder | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| WI | Roston | Chase | Bowling Allrounder | Right Handed | Right Arm Offbreak | NULL |

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

5 rows in set (0.00 sec)

mysql> update All\_Rounders set all\_rounder\_player\_id = 'KP55' where last\_name = 'Pollard';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update All\_Rounders set all\_rounder\_player\_id = 'DB47' where last\_name = 'Bravo';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update All\_Rounders set all\_rounder\_player\_id = 'AR12' where last\_name = 'Russell';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update All\_Rounders set all\_rounder\_player\_id = 'JH98' where last\_name = 'Holder';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from All\_Rounders where team\_id = 'Ban';

+---------+-------------+-----------+--------------------+--------------+--------------------+-----------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type | all\_rounder\_player\_id |

+---------+-------------+-----------+--------------------+--------------+--------------------+-----------------------+

| Ban | Mahmudullah | | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Ban | Shakib Al | Hasan | Batting Allrounder | Left Handed | Left Arm Orthodox | NULL |

| Ban | Mahedi | Hasan | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

+---------+-------------+-----------+--------------------+--------------+--------------------+-----------------------+

3 rows in set (0.00 sec)

mysql> update All\_Rounders set all\_rounder\_player\_id = 'MD30' where first\_name = 'Mahmudullah';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update All\_Rounders set all\_rounder\_player\_id = 'SAH75' where first\_name = 'Shakib Al';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from All\_Rounders where team\_id = 'Eng';

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type | all\_rounder\_player\_id |

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

| Eng | Moeen | Ali | Batting Allrounder | Left Handed | Right Arm Offbreak | NULL |

| Eng | Chris | Woakes | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| Eng | David | Willey | Bowing Allrounder | Left Handed | Left Arm Medium | NULL |

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

3 rows in set (0.00 sec)

mysql> update All\_Rounders set all\_rounder\_player\_id = 'MA18' where first\_name = 'Moeen';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update All\_Rounders set all\_rounder\_player\_id = 'CW19' where last\_name = 'Woakes';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from All\_Rounders where team\_id = 'Aus';

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type | all\_rounder\_player\_id |

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

| Aus | Mitchell | Marsh | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| Aus | Marcus | Stoinis | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| Aus | Glenn | Maxwell | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Aus | Ashton | Agar | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

4 rows in set (0.00 sec)

mysql> update All\_Rounders set all\_rounder\_player\_id = 'MM08' where last\_name = 'Marsh';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update All\_Rounders set all\_rounder\_player\_id = 'MS17' where last\_name = 'Stoinis';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update All\_Rounders set all\_rounder\_player\_id = 'GM32' where last\_name = 'Maxwell';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from All\_Rounders where team\_id = 'Sco';

+---------+------------+------------+--------------------+--------------+--------------------+-----------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type | all\_rounder\_player\_id |

+---------+------------+------------+--------------------+--------------+--------------------+-----------------------+

| Sco | Richie | Berrington | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| Sco | Alasdair | Evans | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| Sco | Michael | Leask | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

+---------+------------+------------+--------------------+--------------+--------------------+-----------------------+

3 rows in set (0.00 sec)

mysql> update All\_Rounders set all\_rounder\_player\_id = 'ML29' where last\_name = 'Leask';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update All\_Rounders set all\_rounder\_player\_id = 'RB44' where last\_name = 'Berrington';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from All\_Rounders where team\_id = 'Afg';

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type | all\_rounder\_player\_id |

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

| Afg | Mohammad | Nabi | Bowling Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Afg | Gulbadin | Naib | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

2 rows in set (0.00 sec)

mysql> update All\_Rounders set all\_rounder\_player\_id = 'GN11' where first\_name = 'Gulbadin';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update All\_Rounders set all\_rounder\_player\_id = 'MN07' where last\_name = 'Nabi';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from All\_Rounders where team\_id = 'NZ';

+---------+------------+-----------+--------------------+--------------+-------------------+-----------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type | all\_rounder\_player\_id |

+---------+------------+-----------+--------------------+--------------+-------------------+-----------------------+

| NZ | Mitchell | Santner | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

| NZ | Daryl | Mitchell | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| NZ | James | Neesham | Batting Allrounder | Left Handed | Right Arm Medium | NULL |

+---------+------------+-----------+--------------------+--------------+-------------------+-----------------------+

3 rows in set (0.00 sec)

mysql> select \* from All\_Rounders where team\_id = 'IND';

+---------+--------------+-----------+--------------------+--------------+--------------------+-----------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type | all\_rounder\_player\_id |

+---------+--------------+-----------+--------------------+--------------+--------------------+-----------------------+

| IND | Hardik | Pandya | Batting Allrounder | Right Handed | Right Arm Medium | NULL |

| IND | Ravindra | Jadeja | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

| IND | Ravichandran | Ashwin | Bowling Allrounder | Right Handed | Right Arm Offbreak | NULL |

+---------+--------------+-----------+--------------------+--------------+--------------------+-----------------------+

3 rows in set (0.00 sec)

mysql> update All\_Rounders set all\_rounder\_player\_id = 'HP33' where last\_name = 'Pandya';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update All\_Rounders set all\_rounder\_player\_id = 'RJ08' where last\_name = 'Jadeja';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from All\_Rounders;

+---------+---------------+------------+--------------------+--------------+--------------------+-----------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type | all\_rounder\_player\_id |

+---------+---------------+------------+--------------------+--------------+--------------------+-----------------------+

| NZ | Mitchell | Santner | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

| NZ | Daryl | Mitchell | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| NZ | James | Neesham | Batting Allrounder | Left Handed | Right Arm Medium | NULL |

| Aus | Mitchell | Marsh | Batting Allrounder | Right Handed | Right Arm Medium | MM08 |

| Aus | Marcus | Stoinis | Batting Allrounder | Right Handed | Right Arm Medium | MS17 |

| Aus | Glenn | Maxwell | Batting Allrounder | Right Handed | Right Arm Offbreak | GM32 |

| Aus | Ashton | Agar | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

| Pak | Mohammad | Hafeez | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Pak | Shoaib | Malik | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Pak | Shadab | Khan | Bowling Allrounder | Right Handed | Right Arm Legbreak | NULL |

| Pak | Imad | Wasim | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

| IND | Hardik | Pandya | Batting Allrounder | Right Handed | Right Arm Medium | HP33 |

| IND | Ravindra | Jadeja | Bowling Allrounder | Left Handed | Left Arm Orthodox | RJ08 |

| IND | Ravichandran | Ashwin | Bowling Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Ban | Mahmudullah | | Batting Allrounder | Right Handed | Right Arm Offbreak | MD30 |

| Ban | Shakib Al | Hasan | Batting Allrounder | Left Handed | Left Arm Orthodox | SAH75 |

| Ban | Mahedi | Hasan | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Eng | Moeen | Ali | Batting Allrounder | Left Handed | Right Arm Offbreak | MA18 |

| Eng | Chris | Woakes | Bowling Allrounder | Right Handed | Right Arm Medium | CW19 |

| Eng | David | Willey | Bowing Allrounder | Left Handed | Left Arm Medium | NULL |

| RSA | Dwaine | Pretorius | Bowing Allrounder | Right Handed | Right Arm Medium | NULL |

| Sco | Richie | Berrington | Batting Allrounder | Right Handed | Right Arm Medium | RB44 |

| Sco | Alasdair | Evans | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| Sco | Michael | Leask | Batting Allrounder | Right Handed | Right Arm Offbreak | ML29 |

| Afg | Mohammad | Nabi | Bowling Allrounder | Right Handed | Right Arm Offbreak | MN07 |

| Afg | Gulbadin | Naib | Bowling Allrounder | Right Handed | Right Arm Medium | GN11 |

| WI | Kieron | Pollard | Batting Allrounder | Right Handed | Right Arm Medium | KP55 |

| WI | Dwayne | Bravo | Batting Allrounder | Right Handed | Right Arm Medium | DB47 |

| WI | Andre | Russell | Bowling Allrounder | Right Handed | Right Arm Medium | AR12 |

| WI | Jason | Holder | Bowling Allrounder | Right Handed | Right Arm Medium | JH98 |

| WI | Roston | Chase | Bowling Allrounder | Right Handed | Right Arm Offbreak | NULL |

| SL | Dasun | Shanaka | Batting Allrounder | Right Handed | Right Arm Medium | DS07 |

| SL | Dhananjaya de | Silva | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| SL | Charith | Asalanka | Bowling Allrounder | Left Handed | Right Arm Offbreak | NULL |

| SL | Wanindu | Hasaranga | Bowling Allrounder | Right Handed | Right Arm Legbreak | WH49 |

+---------+---------------+------------+--------------------+--------------+--------------------+-----------------------+

35 rows in set (0.00 sec)

mysql> select \* from All\_Rounders where team\_id = 'Pak';

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type | all\_rounder\_player\_id |

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

| Pak | Mohammad | Hafeez | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Pak | Shoaib | Malik | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Pak | Shadab | Khan | Bowling Allrounder | Right Handed | Right Arm Legbreak | NULL |

| Pak | Imad | Wasim | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

+---------+------------+-----------+--------------------+--------------+--------------------+-----------------------+

4 rows in set (0.00 sec)

mysql> update All\_Rounders set all\_rounder\_player\_id = 'SM18' where last\_name = 'Malik';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from All\_Rounders;

+---------+---------------+------------+--------------------+--------------+--------------------+-----------------------+

| team\_id | first\_name | last\_name | role | batting\_type | bowling\_type | all\_rounder\_player\_id |

+---------+---------------+------------+--------------------+--------------+--------------------+-----------------------+

| NZ | Mitchell | Santner | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

| NZ | Daryl | Mitchell | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| NZ | James | Neesham | Batting Allrounder | Left Handed | Right Arm Medium | NULL |

| Aus | Mitchell | Marsh | Batting Allrounder | Right Handed | Right Arm Medium | MM08 |

| Aus | Marcus | Stoinis | Batting Allrounder | Right Handed | Right Arm Medium | MS17 |

| Aus | Glenn | Maxwell | Batting Allrounder | Right Handed | Right Arm Offbreak | GM32 |

| Aus | Ashton | Agar | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

| Pak | Mohammad | Hafeez | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Pak | Shoaib | Malik | Batting Allrounder | Right Handed | Right Arm Offbreak | SM18 |

| Pak | Shadab | Khan | Bowling Allrounder | Right Handed | Right Arm Legbreak | NULL |

| Pak | Imad | Wasim | Bowling Allrounder | Left Handed | Left Arm Orthodox | NULL |

| IND | Hardik | Pandya | Batting Allrounder | Right Handed | Right Arm Medium | HP33 |

| IND | Ravindra | Jadeja | Bowling Allrounder | Left Handed | Left Arm Orthodox | RJ08 |

| IND | Ravichandran | Ashwin | Bowling Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Ban | Mahmudullah | | Batting Allrounder | Right Handed | Right Arm Offbreak | MD30 |

| Ban | Shakib Al | Hasan | Batting Allrounder | Left Handed | Left Arm Orthodox | SAH75 |

| Ban | Mahedi | Hasan | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| Eng | Moeen | Ali | Batting Allrounder | Left Handed | Right Arm Offbreak | MA18 |

| Eng | Chris | Woakes | Bowling Allrounder | Right Handed | Right Arm Medium | CW19 |

| Eng | David | Willey | Bowing Allrounder | Left Handed | Left Arm Medium | NULL |

| RSA | Dwaine | Pretorius | Bowing Allrounder | Right Handed | Right Arm Medium | NULL |

| Sco | Richie | Berrington | Batting Allrounder | Right Handed | Right Arm Medium | RB44 |

| Sco | Alasdair | Evans | Bowling Allrounder | Right Handed | Right Arm Medium | NULL |

| Sco | Michael | Leask | Batting Allrounder | Right Handed | Right Arm Offbreak | ML29 |

| Afg | Mohammad | Nabi | Bowling Allrounder | Right Handed | Right Arm Offbreak | MN07 |

| Afg | Gulbadin | Naib | Bowling Allrounder | Right Handed | Right Arm Medium | GN11 |

| WI | Kieron | Pollard | Batting Allrounder | Right Handed | Right Arm Medium | KP55 |

| WI | Dwayne | Bravo | Batting Allrounder | Right Handed | Right Arm Medium | DB47 |

| WI | Andre | Russell | Bowling Allrounder | Right Handed | Right Arm Medium | AR12 |

| WI | Jason | Holder | Bowling Allrounder | Right Handed | Right Arm Medium | JH98 |

| WI | Roston | Chase | Bowling Allrounder | Right Handed | Right Arm Offbreak | NULL |

| SL | Dasun | Shanaka | Batting Allrounder | Right Handed | Right Arm Medium | DS07 |

| SL | Dhananjaya de | Silva | Batting Allrounder | Right Handed | Right Arm Offbreak | NULL |

| SL | Charith | Asalanka | Bowling Allrounder | Left Handed | Right Arm Offbreak | NULL |

| SL | Wanindu | Hasaranga | Bowling Allrounder | Right Handed | Right Arm Legbreak | WH49 |

+---------+---------------+------------+--------------------+--------------+--------------------+-----------------------+

35 rows in set (0.00 sec)

mysql> Create VIEW Matches\_at\_Sharjah

-> AS select match\_id,match\_date,venue

-> From Matches

-> Where venue = 'Sharjah';

Query OK, 0 rows affected (0.01 sec)

mysql> Select \* from Matches\_at\_Sharjah;

+----------+------------+---------+

| match\_id | match\_date | venue |

+----------+------------+---------+

| 3 | 2021-10-24 | Sharjah |

| 5 | 2021-10-25 | Sharjah |

| 7 | 2021-10-26 | Sharjah |

| 9 | 2021-10-27 | Sharjah |

| 11 | 2021-10-29 | Sharjah |

| 13 | 2021-10-30 | Sharjah |

| 17 | 2021-11-01 | Sharjah |

| 24 | 2021-11-05 | Sharjah |

| 27 | 2021-11-06 | Sharjah |

| 29 | 2021-11-07 | Sharjah |

+----------+------------+---------+

10 rows in set (0.00 sec)

mysql> Create VIEW Left\_Arm\_Pacers

-> AS select team\_id,bowler\_player\_id,role,type

-> From Bowlers

-> Where role = 'Pacer' AND type = 'Left Arm';

Query OK, 0 rows affected (0.01 sec)

mysql> Select \* from Left\_Arm\_Pacers;

+---------+------------------+-------+----------+

| team\_id | bowler\_player\_id | role | type |

+---------+------------------+-------+----------+

| NZ | TB18 | Pacer | Left Arm |

| Aus | MS56 | Pacer | Left Arm |

| Pak | NULL | Pacer | Left Arm |

| Ban | MR15 | Pacer | Left Arm |

| Eng | NULL | Pacer | Left Arm |

| Afg | NULL | Pacer | Left Arm |

+---------+------------------+-------+----------+

6 rows in set (0.00 sec)

mysql> Create VIEW Strikers

-> AS select team\_id,player\_id,strike\_rate

-> From Players

-> Where strike\_rate > 135;

Query OK, 0 rows affected (0.02 sec)

mysql> Select \* from Strikers;

+---------+-----------+-------------+

| team\_id | player\_id | strike\_rate |

+---------+-----------+-------------+

| Aus | AF05 | 148.40 |

| RSA | AM04 | 147.00 |

| WI | AR12 | 156.00 |

| WI | CG333 | 137.51 |

| Eng | CW19 | 148.48 |

| NZ | DC88 | 139.32 |

| RSA | DM10 | 140.63 |

| Eng | DM29 | 137.21 |

| RSA | DP29 | 161.90 |

| Aus | DW31 | 140.11 |

| WI | EL17 | 155.52 |

| Eng | EM16 | 137.64 |

| Aus | GM32 | 156.49 |

| Sco | GM93 | 146.31 |

| RSA | HK45 | 142.09 |

| IND | HP33 | 146.30 |

| Eng | JB51 | 135.84 |

| Eng | JB63 | 141.16 |

| Eng | JR20 | 144.93 |

| IND | KLR01 | 143.29 |

| WI | KP55 | 135.55 |

| Eng | LL23 | 165.79 |

| Eng | MA18 | 135.29 |

| NZ | MG31 | 136.50 |

| Afg | MN07 | 142.95 |

| Aus | MS17 | 135.06 |

| Afg | NZ01 | 141.28 |

| RSA | QdK12 | 135.03 |

| IND | RS45 | 139.61 |

| NZ | TS38 | 143.10 |

| IND | VK18 | 137.91 |

+---------+-----------+-------------+

31 rows in set (0.00 sec)

mysql> Create VIEW Left\_Handed\_Batsman

-> AS select team\_id,first\_name,last\_name

-> From Batsman

-> Where type = 'Left Handed';

Query OK, 0 rows affected (0.01 sec)

mysql> Create VIEW Variation\_Spinners

-> AS select team\_id,first\_name,style

-> From Bowlers

-> Where style='Chinaman' OR 'Offbreak' OR 'Orthodox';

Query OK, 0 rows affected (0.01 sec)

mysql> Select \* from Variation\_Spinners;

+---------+------------+----------+

| team\_id | first\_name | style |

+---------+------------+----------+

| RSA | Tabraiz | Chinaman |

+---------+------------+----------+

1 row in set, 2 warnings (0.01 sec)

mysql> Select \* from Left\_Handed\_Batsman;

+---------+-------------+-----------+

| team\_id | first\_name | last\_name |

+---------+-------------+-----------+

| Aus | David | Warner |

| Pak | Fakhar | Zaman |

| Ban | Soumya | Sarkar |

| Eng | Dawid | Malan |

| Eng | Eoin | Morgan |

| RSA | David | Miller |

| Sco | George | Munsey |

| Afg | Najibullah | Zardran |

| Afg | Hazratullah | Zazai |

| WI | Chris | Gayle |

| WI | Evin | Lewis |

| WI | Shimron | Hetmyer |

| SL | Bhanuka | Rajapaksa |

| SL | Avishka | Fernando |

+---------+-------------+-----------+

14 rows in set (0.00 sec)

mysql> Create unique INDEX Players\_Index on Players(team\_id,player\_id,total\_runs);

Query OK, 0 rows affected (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> show index from Players;

+---------+------------+---------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+---------+------------+

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment | Visible | Expression |

+---------+------------+---------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+---------+------------+

| players | 0 | PRIMARY | 1 | player\_id | A | 86 | NULL | NULL | | BTREE | | | YES | NULL |

| players | 0 | Players\_Index | 1 | team\_id | A | 11 | NULL | NULL | YES | BTREE | | | YES | NULL |

| players | 0 | Players\_Index | 2 | player\_id | A | 86 | NULL | NULL | | BTREE | | | YES | NULL |

| players | 0 | Players\_Index | 3 | total\_runs | A | 86 | NULL | NULL | YES | BTREE | | | YES | NULL |

+---------+------------+---------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+---------+------------+

4 rows in set (0.02 sec)