Group-A

Practical Number 2(A)

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

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

Query OK, 1 row affected (0.03 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> 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> 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),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));

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 | |

| 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 | |

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

10 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),

batsman\_player\_id varchar(10), FOREIGN KEY(batsman\_player\_id) REFERENCES Players(player\_id));

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 | |

| batsman\_player\_id | varchar(10) | YES | MUL | NULL | |

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

5 rows in set (0.00 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),role varchar(20),type varchar(20)

style varchar(20),bowler\_palyer\_id varchar(10),FOREIGN KEY(bowler\_player\_id) REFERENCES Players(player\_id));

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 | |

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

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

| style | varchar(20) | YES | | NULL | |

| bowler\_player\_id | varchar(10) | YES | MUL | NULL | |

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

7 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),role varchar(20),

batting\_type varchar(30),bowling\_type varchar(30),all\_rounder\_player\_id varchar(10),FOREIGN KEY(all\_rounder\_player\_id) REFERENCES Players(player\_id));

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 | |

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

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

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

| all\_rounder\_player\_id | varchar(10) | YES | MUL | NULL | |

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

7 rows in set (0.00 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 |

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

7 rows in set (0.01 sec)

mysql> insert into Teams values('IND','INDIA',3,2,+1.747);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Teams values('Pak','Pakistan',5,0,1.583);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('NZ','NewZealand',4,1,+1.162);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('Eng','England',4,1,+2.464);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('Aus','Australia',4,1,+1.216);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Teams values('RSA','South Africa',4,1,+0.739);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('Afg','Afghanistan',2,3,+1.053);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('Nam','Namibia',1,4,-1.890);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('Sco','Scotland',0,5,-3.543);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('SL','Sri Lanka',2,3,-0.269);

Query OK, 1 row affected (0.00 sec)

mysql> insert into Teams values('WI','West Indies',1,4,-1.641);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Teams values('Ban','Bangladesh',0,5,-2.383);

Query OK, 1 row affected (0.01 sec)

mysql> Select \* From Teams Group By net\_run\_rate Order By no\_of\_win DESC;

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

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

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

| Pak | Pakistan | 5 | 0 | 1.583 |

| Aus | Australia | 4 | 1 | 1.216 |

| Eng | England | 4 | 1 | 2.464 |

| NZ | NewZealand | 4 | 1 | 1.162 |

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

| IND | INDIA | 3 | 2 | 1.747 |

| Afg | Afghanistan | 2 | 3 | 1.053 |

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

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

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

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

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

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

12 rows in set (0.00 sec)

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

Query OK, 1 row affected (0.01 sec)

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

Query OK, 1 row affected (0.01 sec)

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

Query OK, 1 row affected (0.01 sec)

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

Query OK, 1 row affected (0.01 sec)

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

Query OK, 1 row affected (0.00 sec)

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

Query OK, 1 row affected (0.00 sec)

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

Query OK, 1 row affected (0.01 sec)

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

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 (0.00 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> Select \* From Batsman;

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

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

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

| NZ | Kane | Williamson | Right Handed | KW22 |

| NZ | Martin | Guptill | Right Handed | MG31 |

| Aus | Aaron | Finch | Right Handed | AF05 |

| Aus | Steven | Smith | Right Handed | SS49 |

| Aus | David | Warner | Left Handed | DW31 |

| Pak | Babar | Azam | Right Handed | BA59 |

| Pak | Fakhar | Zaman | Left Handed | NULL |

| NZ | Devon | Conway | (Wk)Left Handed | DC88 |

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

| Aus | Matthew | Wade | (Wk)Left Handed | MW13 |

| Pak | Mohammad | Rizwan | (Wk)Right Handed | MR16 |

| Pak | Sarfaraz | Ahmed | (Wk)Right Handed | SA10 |

| IND | Virat | Kohil | Right Handed | VK18 |

| IND | Rohit | Sharma | Right Handed | RS45 |

| IND | KL | Rahul | (Wk)Right Handed | KLR01 |

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

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

| Ban | Mushfiqur | Rahim | (Wk)Right Handed | MR90 |

| Ban | Liton | Das | (Wk)Right Handed | LD16 |

| Ban | Soumya | Sarkar | Left Handed | SS59 |

| Eng | Dawid | Malan | Left Handed | DM29 |

| Eng | Eoin | Morgan | Left Handed | EM16 |

| Eng | Jason | Roy | Right Handed | JR20 |

| Eng | Liam | Livingstone | Right Handed | LL23 |

| Eng | Jonny | Bairstow | (Wk)Right Handed | JB51 |

| Eng | Jos | Buttler | (Wk)Right Handed | JB63 |

| Eng | Sam | Billings | (Wk)Right Handed | SB77 |

| RSA | Quinton | de Kock | (Wk)Left Handed | QdK12 |

| RSA | Heinrich | Klaasen | (Wk)Right Handed | HK45 |

| RSA | Rassie van der | Dussen | Right Handed | RvdD72 |

| RSA | Aiden | Markram | Right Handed | AM04 |

| RSA | David | Miller | Left Handed | DM10 |

| Sco | George | Munsey | Left Handed | GM93 |

| Sco | Kyle | Coetzer | Right Handed | KC15 |

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

| Sco | Matthew | Cross | (Wk)Right Handed | MC09 |

| Afg | Mohammad | Shahzad | (Wk)Right Handed | MS77 |

| Afg | Asghar | Afghan | Right Handed | AA44 |

| Afg | Najibullah | Zardran | Left Handed | NZ01 |

| Afg | Hazratullah | Zazai | Left Handed | NULL |

| WI | Chris | Gayle | Left Handed | CG333 |

| WI | Evin | Lewis | Left Handed | EL17 |

| WI | Shimron | Hetmyer | Left Handed | SH189 |

| WI | Lendl | Simmons | Right Handed | LS54 |

| WI | Nicholas | Pooran | (Wk)Left Handed | NP29 |

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

| SL | Dinesh | Chandimal | (Wk)Right Handed | DC36 |

| SL | Bhanuka | Rajapaksa | Left Handed | NULL |

| SL | Avishka | Fernando | Left Handed | AF28 |

| IND | Suryakumar | Yadav | Right Handed | NULL |

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

50 rows in set (0.00 sec)

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> 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)