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	Bowling 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)