-- 1 create database by name crickter\_Management

CREATE DATABASE Crickter\_Management;

-- 2 draw Er diagram represented cricketerr base management system with minimum of 5 entities and minum of 4 attributs for each entity

-- 3 create a table by name cricketer which has following columns

id INT notnull PRIMARY KEY,

NAME varhachar(100) NOT NULL,

icc\_id INT NOT NULL UNIQUE KEY

icc\_id country VARCHAR(100) NOT NULL

runs INT

wickets INT,

catches INT,

matches INT,

CREATE TABLE cricketer(

id INT NOT NULL PRIMARY KEY,

NAME VARCHAR(100) NOT NULL,

icc\_id INT NOT NULL UNIQUE KEY,

icc\_id\_country VARCHAR(100) NOT NULL,

Runs INT,

wickets INT,

Catches INT,

Matches INT);

-- 4 write a query to add the below mention columns into the cricketer database table

average FLOAT AFTER wickets ,

MON INT ,

man\_of\_the\_series INT,

ALTER TABLE cricketer

ADD avge FLOAT AFTER wickets,

ADD MON INT ,

ADD man\_of\_the\_series INT;

-- 5 write a query to modify following

ALL the COLUMNS RENAME BY precideing WITH cric\_

ALTER TABLE cricketer

MODIFY COLUMN cric\_id id ;

MODIFY COLUMN cric\_name NAME VARCHAR(100) NOT NULL,

MODIFY COLUMN cric\_icc\_id icc\_id INT NOT NULL UNIQUE KEY,

MODIFY COLUMN crick\_icc\_id\_country icc\_id\_country VARCHAR(100) NOT NULL,

ALTER TABLE cricketer

CHANGE COLUMN id cric\_id INT NOT NULL,

CHANGE COLUMN icc\_id\_country cric\_icc\_id\_country VARCHAR(150) NOT NULL UNIQUE KEY,

CHANGE COLUMN NAME cric\_name VARCHAR(150) NOT NULL,

CHANGE COLUMN icc\_id cric\_icc\_id INT NOT NULL UNIQUE KEY,

CHANGE COLUMN Runs cric\_Runs INT NOT NULL,

CHANGE COLUMN wickets cric\_wickets INT NOT NULL,

CHANGE COLUMN Catches cric\_Catches INT NOT NULL,

CHANGE COLUMN Matches cric\_Matches INT NOT NULL ,

CHANGE COLUMN avge cric\_avg FLOAT NOT NULL,

CHANGE COLUMN MON cric\_mon INT NOT NULL ,

CHANGE COLUMN man\_of\_the\_series cric\_man\_oftheseries INT NOT NULL ;

DESCRIBE cricketer

CHANGE ALL the VARCHAR size IS 150;

make ALL the COLUMNS AS NOT nullabe;

6 INSERT minimum of six records INTO the cricketer TABLE USING

BOTH INSERT approache`crickter\_management``crickter\_management`s

INSERT INTO cricketer (`cric\_id`,`cric\_name`,`cric\_icc\_id`,`cric\_icc\_id\_country`,`cric\_Runs`,`cric\_wickets`,`cric\_avg`,`cric\_Catches`,`cric\_Matches`,`cric\_mon`,`cric\_man\_oftheseries`)

VALUES

(1,'Rohith',89100,'india',120,2,70,100,120,19,8),

(2,'Virat',90100,'indiaa',120,5,86,130,200,23,10),

(3,'afridi',92100,'pakistan',20,5,50,80,80,18,6);

INSERT INTO cricketer VALUES(4,'marcusharris',92101,'australia',60,2,65,126,76,8,5),

(5,'Evil lewis',93100,'westindies',89,7,76,129,87,12,7),

(6,'daniel',93200,'newzealand',98,6,87,67,76,8,4);

-- 7 select all the data from cricker table

SELECT \* FROM cricketer

-- 8 select all the data from cricker table who has played more than 70 matches

SELECT \* FROM cricketer WHERE cric\_matches>70

UPDATE cricketer SET cric\_matches=112 WHERE cric\_id=4;

-- 9 select the data from cricker table where the cricketer is not a player of india cricketer but has played more than 100 matches

SELECT \* FROM cricketer WHERE cric\_icc\_id\_country!='india'AND cric\_icc\_id\_country!='indiaa' AND cric\_matches>100;

-- 10 from cricker table fetch the cricketer who has highest number of matches

SELECT cric\_name,MAX(cric\_matches) FROM cricketer

-- 11 from cricker table find how many crickerters are playing for each country

SELECT cric\_icc\_id\_country, COUNT(cric\_id)FROM cricketer GROUP BY cric\_icc\_id\_country

-- 12 dispaly the cricketer table in the decreasing the order of the cricketers average

SELECT \* FROM cricketer ORDER BY cric\_avg DESC

-- 13 from the crikcter table fetch the details of crickter who has third highest runs

SELECT cric\_name,MAX(cric\_runs) FROM cricketer WHERE cric\_runs <((SELECT cric\_name,MAX(cric\_runs) FROM cricketer WHERE cric\_runs<(SELECT cric\_name,MAX(cric\_runs) FROM cricketer)));

-- 14 india has clash pakistan where virat and rohith both scored 120 runs each while afridi gabbed 5 wickets depeict above scenario in the table

SELECT cric\_name,cric\_runs,cric\_wickets FROM cricketer WHERE cric\_runs=120 OR cric\_wickets=5;

-- 15 find the total no of wickets ,runs, matches,man of the match ,match of seriesgrab by each country

SELECT cric\_icc\_id\_country,SUM(cric\_wickets) AS total\_wickets,SUM(cric\_runs) AS total\_runs,SUM(cric\_matches) AS total\_matches,SUM(cric\_mon) AS total\_man\_of\_the\_matches,SUM(cric\_man\_oftheseries) AS total\_cric\_man\_oftheseries FROM cricketer GROUP BY cric\_icc\_id\_country;

-- 16 write a query all crickter whos names starts from R and has played matches between 100 to 200 and is player from either india or australia or westindies

SELECT cric\_name FROM cricketer WHERE cric\_name LIKE 'R%'OR cric\_matches>=100 AND cric\_matches>=200 AND cric\_icc\_id\_country='india' AND cric\_icc\_id\_country='australia' AND cric\_icc\_id\_country='westindies';