1.

```
CREATE TABLE TEAM(
ID NUMBER,
NAME VARCHAR2(20),
COUNTRY VARCHAR2(20),
TOTALTOPHIES NUMBER,
CONSTRAINTS PK_TEAM PRIMARY KEY(ID)
);

CREATE TABLE FOOTBALLER(
PLAYERID NUMBER,
PLAYERNAME VARCHAR2(20),
TEAMID NUMBER,
HEIGHT NUMBER,
STRONGFOOT VARCHAR2(7),
NATIONALITY(20),
TOTALGOALS NUMBER,
CONSTRAINTS PK_FOOTBALLER PRIMARY KEY(PLAYERID),
CONSTRAINTS FK_TEAM_FB FOREIGN KEY(TEAMID) REFERENCES TEAM(ID)
);
```

2.

```
ALTER TABLE TABLE_NAME MODITY AGE NUMBER;
```

3

```
CREATE USER MYNAME IDENTIFIED BY DBMS134443

GRANT CREATE SESSION, RESOURCES TO MYNAME;
```

4

```
ALTER TABLE EMP_NEW ADD DEPTID NUMBER;
ALTER TABLE EMP_NEW ADD CONSTRAINTS FK_EMP FOREIGN KEY(DEPTID)
REFERENCES DEPT(ID);
```

5

```
SELECT USERNAME FROM DBA_USERS ORDER BY USERNAME DESC;
```

6

```
CREATE TABLE CLUB(
        ID NUMBER,
        NAME VARCHAR(30),
        COUNTRY VARCHAR(30),
        CONSTRAINTS PK_CLUB PRIMARY KEY (ID)
);

CREATE TABLE Players(
        SSN number,
        Name varchar(30),
        ClubID number,
        Nationality varchar(30),
        Age number,
        constraints pk_Players primary key (SSN),
        constraints pk_Players_CLUB foreign key (ClubID) references CLUB(ID)
);
```

```
INSERT INTO CLUB VALUES(11,'REAL MADRID','SPAIN');
INSERT INTO CLUB VALUES(12,'BARCELONA','SPAIN');
INSERT INTO CLUB VALUES(13,'CHELSEA','ENGLAND');
INSERT INTO CLUB VALUES(14,'MILAN','ITALY');
INSERT INTO CLUB VALUES(15,'CITY','ENGLAND');
INSERT INTO CLUB VALUES(16,'PSG','FRANCE');
INSERT INTO CLUB VALUES(17,'UNITED','ENGLAND');

INSERT INTO Players VALUES(1,'RONALDO',11,'PORTUGAL',33);
INSERT INTO Players VALUES(2,'MESSI',12,'ARGENTINA',30);
INSERT INTO Players VALUES(3,'HAZARD',13,'BELGIUM',27);
INSERT INTO Players VALUES(4,'ZLATAN',17,'SWEDEN',36);
INSERT INTO Players VALUES(5,'ZIDAN',11,'FRANCE',45);
INSERT INTO Players VALUES(6,'KDB',15,'BELGIUM',26);
INSERT INTO Players VALUES(7,'RONALDINHO',12,'BRAZIL',37);
INSERT INTO Players VALUES(8,'NESTA',14,'ITALY',41);
INSERT INTO Players VALUES(9,'MALDINI',14,'ITALY',49);
INSERT INTO Players VALUES(10,'MARCELO',11,'BRAZIL',29);
INSERT INTO Players VALUES(11,'SUAREZ',12,'URUGUAY',31);
INSERT INTO Players VALUES(12,'NEYMAR',16,'BRAZIL',26);


*****************SQL********************

i.
SELECT COUNTRY,COUNT(NAME) FROM CLUB GROUP BY COUNTRY;

ii.
SELECT NAME FROM PLAYERS WHERE AGE=(SELECT MIN(AGE) FROM PLAYERS);

iii.
SELECT MIN(AGE),CLUB.NAME FROM CLUB,PLAYERS WHERE CLUB.ID=PLAYERS.CLUBID
GROUP BY CLUB.NAME HAVING MIN(AGE)<30;

iv.
SELECT NAME,AGE FROM PLAYERS WHERE NATIONALITY='ITALY';

v.
SELECT P.NAME FROM PLAYERS P,CLUB C WHERE P.CLUBID=C.ID AND
C.COUNTRY=P.NATIONALITY;

vi.
SELECT PLAYERS.NAME, CLUB.NAME FROM PLAYERS,CLUB WHERE
PLAYERS.CLUBID=CLUB.ID;

vii.
SELECT * FROM PLAYERS WHERE CLUBID=11 OR CLUBID=14;

viii.
SELECT * FROM PLAYERS WHERE AGE>(SELECT AVG(AGE) FROM PLAYERS);

ix.
SELECT * FROM PLAYERS ORDER BY NAME,CLUBID;
```

```
x.
SELECT COUNT(UNIQUE NATIONALITY) FROM PLAYERS;

xi.
SELECT * FROM PLAYERS WHERE AGE>(SELECT MIN(AGE) FROM PLAYERS);

xii.
SELECT NATIONALITY FROM PLAYERS GROUP BY NATIONALITY HAVING COUNT(NAME)>1;

xiii.
SELECT * FROM PLAYERS WHERE NATIONALITY='ITALY' AND AGE=(SELECT MAX(AGE)
FROM PLAYERS WHERE NATIONALITY='ITALY');

xiv.
SELECT COUNTRY,COUNT(NAME) FROM CLUB GROUP BY COUNTRY HAVING COUNT(NAME)>1;

xv.
SELECT C.NAME
FROM CLUB C, PLAYERS P
WHERE C.ID=P.CLUBID
GROUP BY C.NAME
HAVING COUNT(C.NAME)=1;

xvi.
SELECT C.ID, MAX(AGE)
FROM CLUB C, PLAYERS P
WHERE C.ID=P.CLUBID
GROUP BY C.ID ;

xvii.
INSERT INTO CLUB VALUES(18,'JUVENTUS','ITALY');

xviii.
UPDATE PLAYERS SET CLUBID=18 WHERE NAME='KDB';

xix.
SELECT NAME,AGE+5 FROM PLAYERS;

xx.
UPDATE PLAYERS DELETE ROW WHERE CLUBID=12;
```