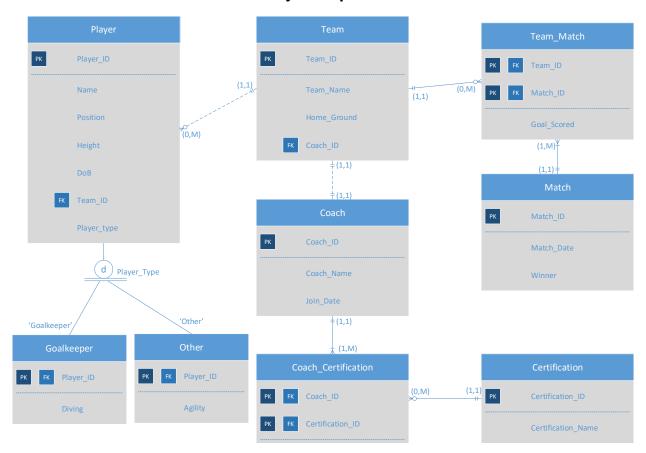
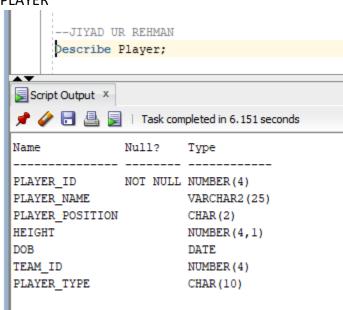
# **Project Report 3**

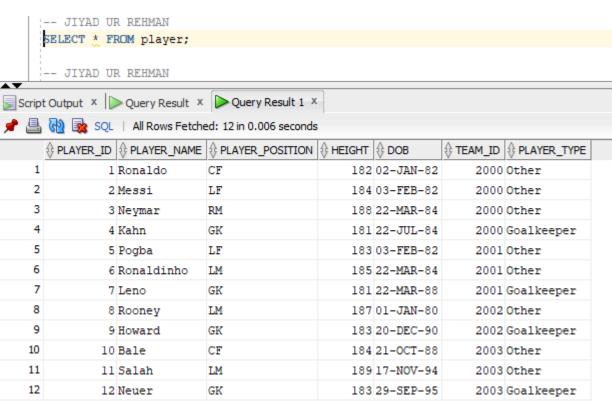


# Tables and its structure and content:

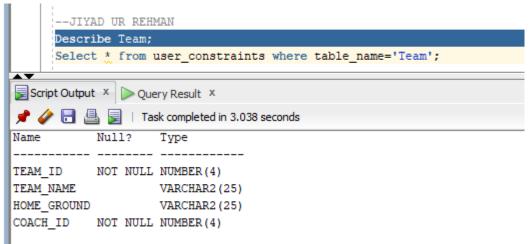
### **PLAYER**

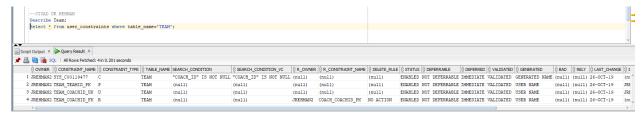


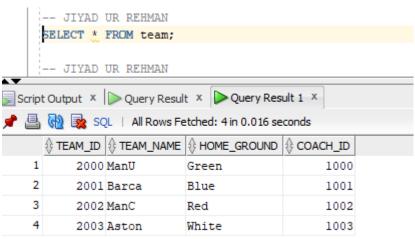




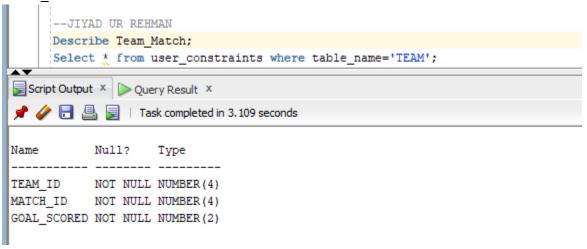
### **TEAM**

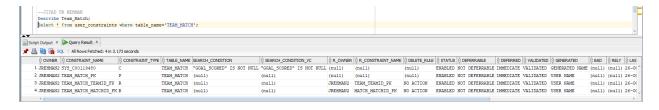


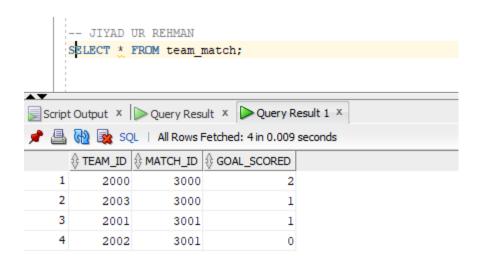




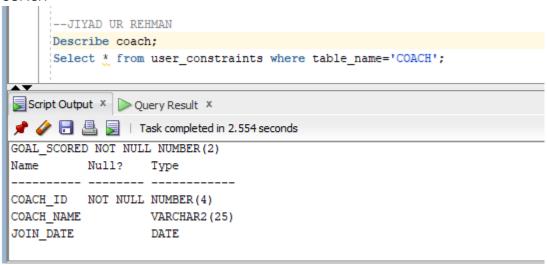
## TEAM MATCH

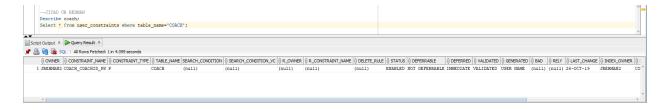


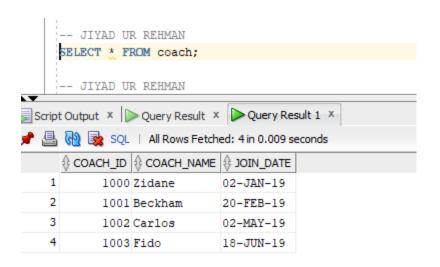




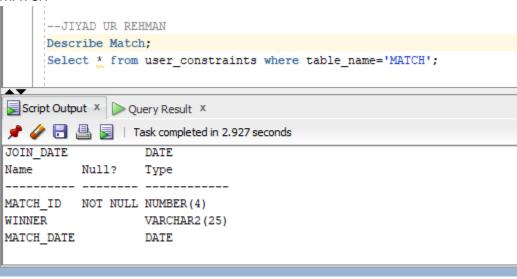
### COACH

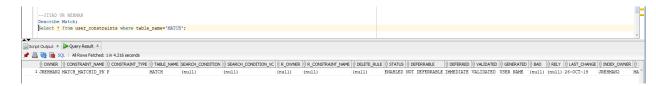


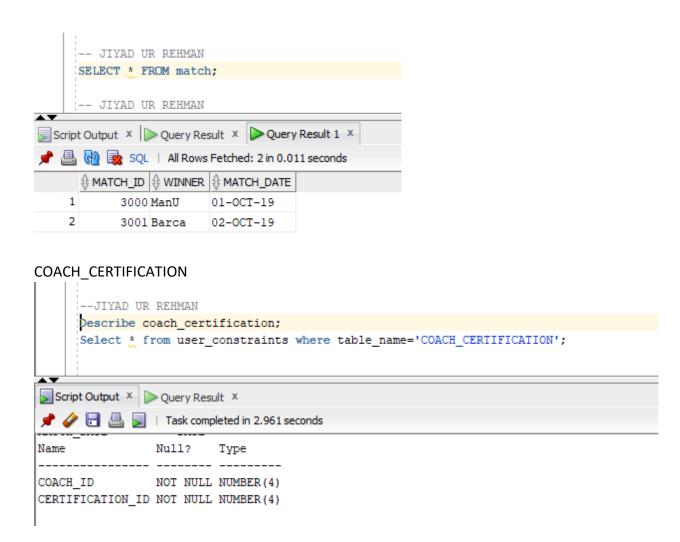


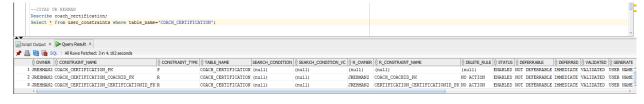


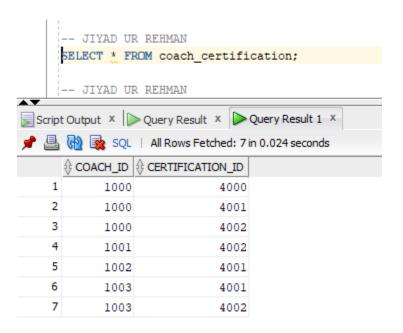
### **MATCH**



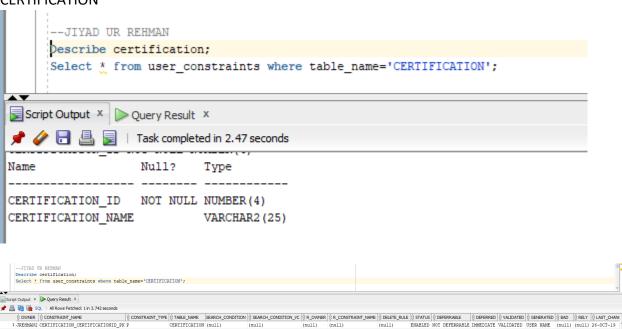


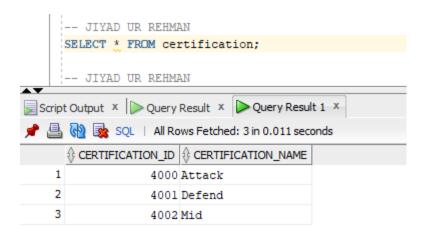




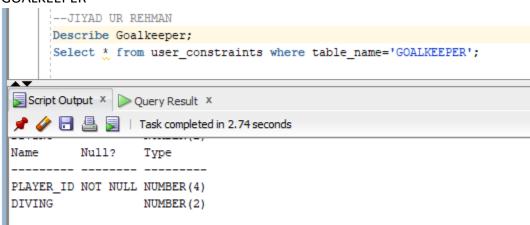


# **CERTIFICATION**

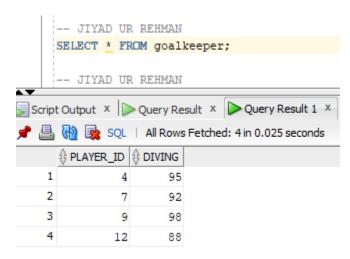




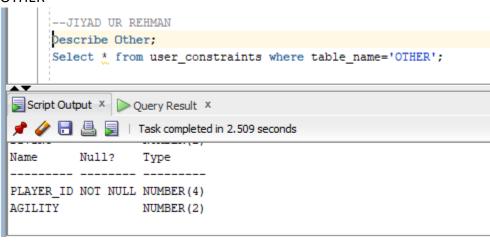
### **GOALKEEPER**

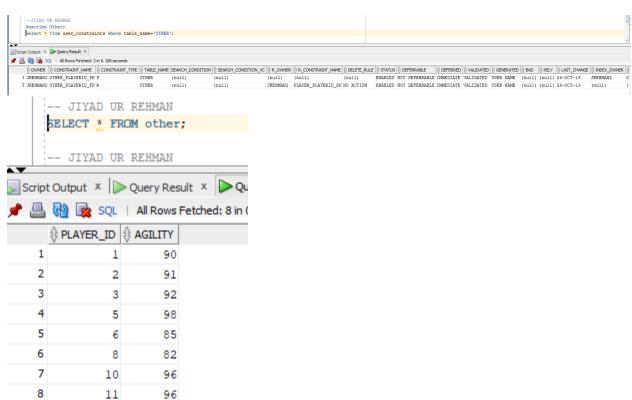






#### OTHER





#### CODE

```
CREATE TABLE PLAYER
Player_ID NUMBER(4),
Player_Name Varchar2(25),
Player Position char(2),
Height NUMBER(4,1),
DoB Date,
Team ID Number(4),
Player_Type Char(10),
CONSTRAINT Player_PlayerID_PK Primary KEY (Player_ID),
CONSTRAINT Player_Type_ck CHECK (Player_Type IN ('Goalkeeper', 'Other'))
);
CREATE TABLE TEAM
Team ID Number(4),
Team Name Varchar2(25),
Home Ground VARCHAR2(25),
Coach_ID Number(4) NOT NULL,
CONSTRAINT Team_TeamID_PK Primary KEY (Team_ID),
CONSTRAINT Team_CoachID_UK UNIQUE (Coach_ID)
);
CREATE TABLE TEAM_MATCH
Team ID Number(4),
Match ID Number(4),
Goal_Scored Number(2) DEFAULT 0 NOT NULL,
CONSTRAINT Team_Match_PK Primary KEY (Team_ID, Match_ID)
);
```

```
CREATE TABLE MATCH
Match ID Number(4),
Winner Varchar2(25),
Match_Date Date,
CONSTRAINT Match_MatchID_PK Primary KEY (Match_ID)
);
CREATE TABLE COACH
Coach ID Number(4),
Coach Name Varchar2(25),
Join_Date Date,
CONSTRAINT Coach_CoachID_PK Primary KEY (Coach_ID)
);
CREATE TABLE COACH_CERTIFICATION
Coach_ID Number(4),
CERTIFICATION_ID Number(4),
CONSTRAINT Coach_Certification_PK Primary KEY (Coach_ID, CERTIFICATION_ID)
);
CREATE TABLE CERTIFICATION
CERTIFICATION ID Number(4),
CERTIFICATION_Name Varchar2(25),
CONSTRAINT Certification_CertificationID_PK Primary KEY (CERTIFICATION_ID)
);
```

```
CREATE TABLE GOALKEEPER
Player ID NUMBER(4),
Diving Number(2),
CONSTRAINT GOALKEEPER_PlayerID_PK Primary KEY (Player_ID)
);
CREATE TABLE OTHER
Player_ID NUMBER(4),
Agility Number(2),
CONSTRAINT OTHER PlayerID PK Primary KEY (Player ID)
);
-- ADDING FOREIGN KEYS
--Players
ALTER TABLE PLAYER
  ADD CONSTRAINT Player_TeamID_FK FOREIGN KEY (Team_ID)
    REFERENCES TEAM (Team_ID);
--Team
ALTER TABLE TEAM
  ADD CONSTRAINT Team_CoachID_FK FOREIGN KEY (Coach_ID)
    REFERENCES COACH (Coach_ID);
--Team Match
ALTER TABLE TEAM MATCH
  ADD CONSTRAINT Team Match TeamID FK FOREIGN KEY (Team ID)
    REFERENCES TEAM (Team ID);
ALTER TABLE TEAM_MATCH
  ADD CONSTRAINT Team Match MatchID FK FOREIGN KEY (Match ID)
    REFERENCES MATCH (Match ID);
-- Coach Certification
```

```
ALTER TABLE Coach Certification
 ADD CONSTRAINT Coach Certification CoachID FK FOREIGN KEY (Coach ID)
    REFERENCES COACH (Coach ID);
ALTER TABLE Coach_Certification
 ADD CONSTRAINT Coach_Certification_CertificationID_FK FOREIGN KEY (Certification_ID)
    REFERENCES CERTIFICATION (Certification ID);
--Goalkeeper
ALTER TABLE Goalkeeper
 ADD CONSTRAINT Goalkeeper_PlayerID_FK FOREIGN KEY (Player_ID)
    REFERENCES PLAYER (Player_ID);
--Other
ALTER TABLE Other
 ADD CONSTRAINT Other_PlayerID_FK FOREIGN KEY (Player_ID)
    REFERENCES PLAYER (Player_ID);
-- TABLE STRUCTURE
--JIYAD UR REHMAN
Describe Player;
Select * from user constraints where table name='PLAYER';
--JIYAD UR REHMAN
Describe Team;
Select * from user constraints where table name='TEAM';
--JIYAD UR REHMAN
Describe Team_Match;
Select * from user_constraints where table_name='TEAM_MATCH';
--JIYAD UR REHMAN
Describe coach;
Select * from user constraints where table name='COACH';
--JIYAD UR REHMAN
Describe Match;
Select * from user constraints where table name='MATCH';
--JIYAD UR REHMAN
```

```
Describe coach certification;
Select * from user constraints where table name='COACH CERTIFICATION';
--JIYAD UR REHMAN
Describe certification;
Select * from user_constraints where table_name='CERTIFICATION';
--JIYAD UR REHMAN
Describe Goalkeeper;
Select * from user_constraints where table_name='GOALKEEPER';
--JIYAD UR REHMAN
Describe Other;
Select * from user constraints where table name='OTHER';
********************************
*********
-- INSERT COMMANDS
*******************************
*********
-- Coach
INSERT INTO COACH VALUES (1000, 'Zidane', '02-Jan-2019');
INSERT INTO COACH VALUES (1001, 'Beckham', '20-Feb-2019');
INSERT INTO COACH VALUES (1002, 'Carlos', '02-May-2019');
INSERT INTO COACH VALUES (1003, 'Fido', '18-Jun-2019');
-- Team
INSERT INTO TEAM VALUES (2000, 'ManU', 'Green', 1000);
INSERT INTO TEAM VALUES (2001, 'Barca', 'Blue', 1001);
INSERT INTO TEAM VALUES (2002, 'ManC', 'Red', 1002);
```

```
INSERT INTO TEAM VALUES (2003, 'Aston', 'White', 1003);
-- Match
INSERT INTO MATCH VALUES (3000, 'ManU', '01-Oct-2019');
INSERT INTO MATCH VALUES (3001, 'Barca', '02-Oct-2019');
-- Certification
INSERT INTO CERTIFICATION VALUES (4000, 'Attack');
INSERT INTO CERTIFICATION VALUES (4001, 'Defend');
INSERT INTO CERTIFICATION VALUES (4002, 'Mid');
-- Team_Match
INSERT INTO TEAM MATCH VALUES (2000, 3000, 2);
INSERT INTO TEAM MATCH VALUES (2003, 3000, 1);
INSERT INTO TEAM_MATCH VALUES (2001, 3001, 1);
INSERT INTO TEAM MATCH VALUES (2002, 3001, 0);
-- Coach Certification
INSERT INTO COACH_CERTIFICATION VALUES (1000, 4000);
INSERT INTO COACH CERTIFICATION VALUES (1000, 4001);
INSERT INTO COACH CERTIFICATION VALUES (1000, 4002);
INSERT INTO COACH_CERTIFICATION VALUES (1001, 4002);
INSERT INTO COACH CERTIFICATION VALUES (1002, 4001);
INSERT INTO COACH CERTIFICATION VALUES (1003, 4001);
```

```
INSERT INTO COACH CERTIFICATION VALUES (1003, 4002);
-- Player
             T1 2000
INSERT INTO PLAYER VALUES (0001, 'Ronaldo', 'CF', 182, '02-Jan-1982', 2000, 'Other');
INSERT INTO PLAYER VALUES (0002, 'Messi', 'LF', 184, '03-Feb-1982', 2000, 'Other');
INSERT INTO PLAYER VALUES (0003, 'Neymar', 'RM', 188, '22-Mar-1984', 2000, 'Other');
INSERT INTO PLAYER VALUES (0004, 'Kahn', 'GK', 181, '22-Jul-1984', 2000, 'Goalkeeper');
             T2 2001
INSERT INTO PLAYER VALUES (0005, 'Pogba', 'LF', 183, '03-Feb-1982', 2001, 'Other');
INSERT INTO PLAYER VALUES (0006, 'Ronaldinho', 'LM', 185, '22-Mar-1984', 2001, 'Other');
INSERT INTO PLAYER VALUES (0007, 'Leno', 'GK', 181, '22-Mar-1988', 2001, 'Goalkeeper');
             T3 2002
INSERT INTO PLAYER VALUES (0008, 'Rooney', 'LM', 187, '01-Jan-1980', 2002, 'Other');
INSERT INTO PLAYER VALUES (0009, 'Howard', 'GK', 183, '20-Dec-1990', 2002, 'Goalkeeper');
             T4 2003
INSERT INTO PLAYER VALUES (0010, 'Bale', 'CF', 184, '21-Oct-1988', 2003, 'Other');
INSERT INTO PLAYER VALUES (0011, 'Salah', 'LM', 189, '17-Nov-1994', 2003, 'Other');
INSERT INTO PLAYER VALUES (0012, 'Neuer', 'GK', 183, '29-Sep-1995', 2003, 'Goalkeeper');
-- Goalkeeper
INSERT INTO GOALKEEPER VALUES (0004, 95);
INSERT INTO GOALKEEPER VALUES (0007, 92);
```

```
INSERT INTO GOALKEEPER VALUES (0009, 98);
INSERT INTO GOALKEEPER VALUES (0012, 88);
-- Other
INSERT INTO OTHER VALUES (0001, 90);
INSERT INTO OTHER VALUES (0002, 91);
INSERT INTO OTHER VALUES (0003, 92);
INSERT INTO OTHER VALUES (0005, 98);
INSERT INTO OTHER VALUES (0006, 85);
INSERT INTO OTHER VALUES (0008, 82);
INSERT INTO OTHER VALUES (0010, 96);
INSERT INTO OTHER VALUES (0011, 96);
-- SELECT COMMANDS
-- JIYAD UR REHMAN
SELECT * FROM player;
-- JIYAD UR REHMAN
SELECT * FROM certification;
-- JIYAD UR REHMAN
SELECT * FROM coach;
-- JIYAD UR REHMAN
SELECT * FROM coach_certification;
-- JIYAD UR REHMAN
SELECT * FROM goalkeeper;
```

- -- JIYAD UR REHMAN SELECT \* FROM match;
- -- JIYAD UR REHMAN SELECT \* FROM other;
- -- JIYAD UR REHMAN SELECT \* FROM team;
- -- JIYAD UR REHMAN
  SELECT \* FROM team\_match;

#### -- DROP Commands

DROP TABLE PLAYER CASCADE CONSTRAINTS;
DROP TABLE TEAM CASCADE CONSTRAINTS;
DROP TABLE COACH CASCADE CONSTRAINTS;
DROP TABLE TEAM\_MATCH CASCADE CONSTRAINTS;
DROP TABLE MATCH CASCADE CONSTRAINTS;
DROP TABLE COACH\_CERTIFICATION CASCADE CONSTRAINTS;
DROP TABLE CERTIFICATION CASCADE CONSTRAINTS;
DROP TABLE GOALKEEPER CASCADE CONSTRAINTS;
DROP TABLE OTHER CASCADE CONSTRAINTS;