

**Course Title:** Database Systems

**Course Code:** CSE 212

**Topic Name:** UAP Soccer League Management System

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**UAP Soccer League Management System**

A football tournament is a team sport between two teams of eleven players with a spherical ball. Simply football tournament management is a web management system which store the details of player, team, coach, transfer details etc. It mostly focuses on managing all important information during the tournament season, registration process etc. during tournament and until the tournament is over. Tournament management manages the registration process before the tournament held. The system is able to register team, coaches, player, officials that are going to involve in the tournament. It manages the location and important details of each matches. It can produce pre-printed paper which been use to fill in the match result and report. The player status either eligible or suspended will state on the paper. All matches and report can be viewed by football tournament management system. Football tournament management system helps to identify the details of all the record of the team, player, coach, etc. who directly or indirectly involve in the football tournament.

**The information which are going to be available in the database are given below:**

**Table:** Club

**Attributes:** Club\_id,ClubName,ClubAdd,RegistrationNo.

**Table:**Player

**Attributes:** p\_id, p\_name, p\_position

**Table:** Club\_has

**Attributes:**club\_id,p\_id

**Table:** individual\_score

**Attributes:**p\_id,score\_id,goals,freekicks,pentalty,corner

**Table:**coach

**Attributes:**c\_id,c\_name,c\_Address

**Table:**Guide

**Attributes:**club\_id,c\_id

**Table:**Sponsor

**Attribute:**s\_id,s\_name

**Table:**Supported\_by

**Attributes:**Club\_id,S\_id

**Table:**match

**Attributes:**match\_id,club\_id,Date,result

**Table:**address

**Attributes:**add\_code,zone,city,street

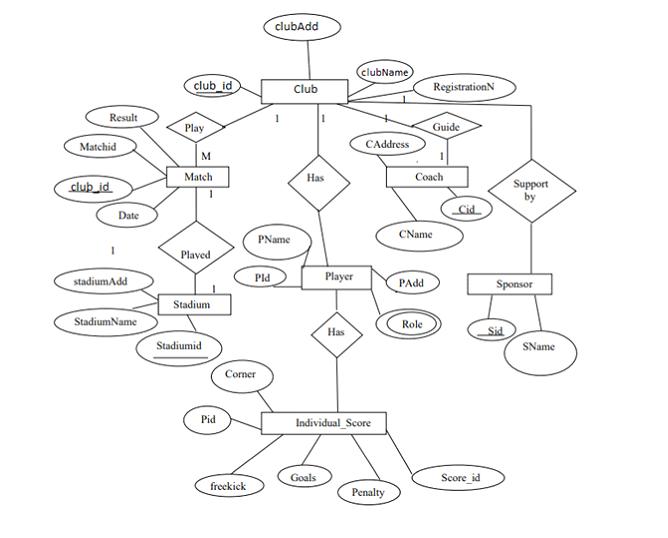
**Table:**stadium

**Attributes:**stadium\_id,stadium\_name

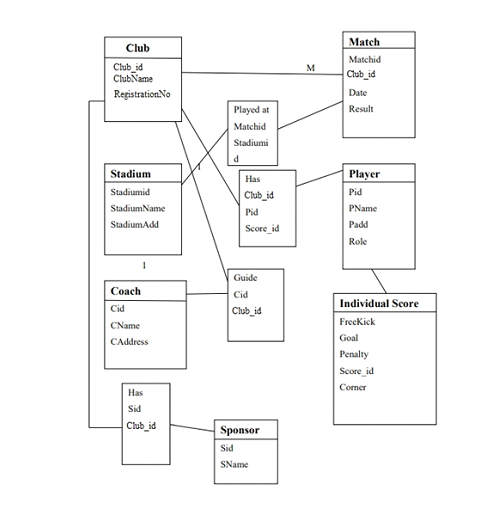
**Table:** played\_at

**Attributes:**match\_id,stadium\_id

**ER Diagram**



**Schema Diagram**



**Table**

create database Uap\_Soccer\_league\_management\_system;

Create table club

(

club\_id integer not null,

clubName varchar(25)not null,

clubAdd varchar(25)not null,

RegistrationNo bigint not null,

constraint pk\_club primary key(club\_id)

);

Create table player

(

P\_id integer not null,

P\_Name varchar(25)not null,

p\_position varchar(25)not null,

constraint pk\_player primary key(P\_id)

);

create table club\_has

(

club\_id integer not null,

P\_id integer not null,

constraint fk\_club foreign key

(club\_id)references club,

constraint fk\_club\_has foreign key

(P\_id)references player

);

create table Individual\_Score

(

P\_id integer not null,

score\_id int,

Goals integer not null,

freekick integer not null,

penalty integer not null,

corner integer not null,

constraint fk\_individual\_score foreign key

(P\_id) references player,

constraint pk\_individual\_score primary key

(score\_id)

);

create table Coach

(

C\_id integer not null,

C\_Name varchar(25)not null,

C\_Address varchar(25)not null,

constraint pk\_Coach primary key(C\_id)

);

create table Guide

(

club\_id integer not null,

C\_id integer not null,

constraint fk\_guide foreign key(club\_id)references club,

constraint fk\_guided foreign key(C\_id) references Coach

);

create table Sponsor

(

S\_id integer not null,

S\_Name varchar(25)not null,

constraint pk\_Sponsor primary key(S\_id)

);

create table support\_by

(

club\_id integer not null,

S\_id integer not null,

constraint fk\_support\_by foreign key(club\_id)references club,

constraint fk\_supported\_by foreign key(S\_id)references Sponsor

);

create table match

(

Match\_id integer not null,

club\_id integer not null,

Date varchar(25)not null,

Result varchar(24)not null,

constraint pk\_match primary key (Match\_id),

constraint fk\_match foreign key(club\_id)references club

);

create table address

(

add\_code int,

zone varchar (255),

district varchar (255),

city varchar (255),

street varchar (255),

constraint pK\_address primary key(add\_code)

);

create table Stadium

(

Stadium\_id integer not null,

Stadium\_Name varchar(25)not null,

constraint pk\_Stadium primary key (Stadium\_id)

);

create table Played\_At

(

Match\_id integer not null,

Stadium\_id integer not null,

constraint fk\_played foreign key(Match\_id)references match,

constraint fk\_played\_at foreign key

(Stadium\_id)references Stadium

);

alter table club drop column clubAdd;

alter table club Add c\_Add int;

alter table player add P\_add int;

alter table coach drop column C\_Address;

alter table coach add C\_add int;

-- add column stadium add

alter table stadium add Stadiumadd int;

-- add foreign key constraint

alter table stadium add

constraint fk\_stadium foreign key

(Stadiumadd)references address (add\_code)

drop table club;

drop table player;

drop table club\_has;

drop table Individual\_Score;

drop table Coach;

drop table Guide;

drop table Sponsor;

drop table support\_by;

drop table match;

drop table Stadium;

drop table Played\_At;

drop table address;

--inserting data into table club

insert into[dbo].[club]

values

(01,'CSE4.2',123451,1023),

(02,'CSE4.1',123452,1024),

(03,'CSE3.2',123453,1025),

(04,'CSE3.1',123454,1026),

(05,'CSE2.2',123455,1027),

(06,'CSE2.1',123456,1028),

(07,'CSE1.2',123457,1029),

(08,'CSE1.1',123458,1030);

--inserting data into table player

insert into [dbo].[player]

values

(10,'Tanvir','Goalkeeper',1040),

(11,'Binmujib','Centermidfield',1041),

(12,'Miraz','center-forward',1042),

(13,'Mashfi','Second -striker',1043),

(14,'Rumman','Winger',1044),

(15,'Akash','Winger',1045),

(16,'Prodhan','Winger',1046),

(17,'Rafsan','center-forward',1047),

(18,'Rakin','center-forward',1048),

(19,'Nafees','Goalkeeper',1049),

(20,'joy','Centermidfield',1050),

(21,'Soumik','Centermidfield',1051),

(22,'Sadman','Winger',1052),

(23,'Rouf','Winger',1053),

(24,'Muhammad','Winger',1054),

(25,'Adib','Winger',1055),

(26,'Mridul','Centermidfield',1056),

(27,'Tasin','Winger',1057),

(28,'Sarvi','Winger',1058),

(29,'Fahim','Goalkeeper',1059),

(30,'Ahmed','Winger',1060),

(31,'Rimon','Winger',1061),

(32,'Ifty','Centermidfield',1062),

(33,'Antik','Winger',1063),

(34,'Aknit','Goalkeeper',1064),

(35,'Sudip','Winger',1065),

(36,'Mahadi','center-forward',1066),

(37,'Hasan','Winger',1067),

(38,'Rumi','Winger',1068),

(39,'Yasin','Winger',1069),

(40,'Arafat','Winger',1070),

(41,'Rafin','Winger',1071),

(42,'Emon','Winger',1072),

(43,'Andalib','center-forward',1073),

(44,'Zubayer','Winger',1074),

(45,'Kamal','Winger',1075),

(46,'Muzahid','Winger',1076),

(47,'Azad','Winger',1077),

(48,'Shommo','Winger',1078),

(49,'Anik','center-forward',1079),

(50,'Ahnaf','Winger',1080),

(51,'Atif','Winger',1081),

(52,'Moin','Centermidfield',1082),

(53,'Asad','Winger',1083),

(54,'Galib','Winger',1084),

(55,'Imam','Winger',1085),

(56,'Omit','center-forward',1086),

(57,'Noor','Winger',1087),

(58,'Navil','Winger',1088),

(59,'Nabil','Winger',1089),

(60,'Samad','Winger',1089),

(61,'Saad','center-forward',1090),

(62,'Jamal','Winger',1091),

(63,'Topon','Winger',1092),

(64,'Topu','Goalkeeper',1093),

(65,'Anis','center-forward',1094),

(66,'Motin','Winger',1095),

(67,'Mia','Winger',1096),

(68,'John','Winger',1097),

(69,'Sunil','center-forward',1098),

(70,'Hady','Winger',1099),

(71,'Raiyan','Winger',1100),

(72,'Radin','Winger',1101),

(73,'Saki','Winger',1102),

(74,'Sadi','Goalkeeper',1103);

--inserting data into table club\_has

insert into[dbo].[club\_has]

values

(01, 10),

(01, 11),

(01, 12),

(01, 13),

(01, 14),

(01, 15),

(01, 16),

(01, 17),

(02, 18),

(02, 19),

(02, 20),

(02, 21),

(02, 22),

(02, 23),

(02, 24),

(02, 25),

(03, 26),

(03, 27),

(03, 28),

(03, 29),

(03, 30),

(03, 31),

(03, 32),

(03, 33),

(04, 34),

(04, 35),

(04, 36),

(04, 37),

(04, 38),

(04, 39),

(04, 40),

(04, 41),

(05, 42),

(05, 43),

(05, 44),

(05, 45),

(05, 46),

(05, 47),

(05, 48),

(05, 49),

(06, 50),

(06, 51),

(06, 52),

(06, 53),

(06, 54),

(06, 55),

(06, 56),

(06, 57),

(07, 58),

(07, 59),

(07, 60),

(07, 61),

(07, 62),

(07, 63),

(07, 64),

(07, 65),

(08, 66),

(08, 67),

(08, 68),

(08, 69),

(08, 70),

(08, 71),

(08, 72),

(08, 73);

--inserting data into individual\_score

insert into [dbo].[Individual\_Score]

values

('10','501','1','0','0','0'),

('11','502','2','0','0','0'),

('12','503','5','0','0','0'),

('13','504','5','0','0','0'),

('14','505','4','0','0','0'),

('15','506','9','0','0','0'),

('16','507','2','0','0','0'),

('17','508','5','0','0','0'),

('18','509','3','0','0','0'),

('19','510','7','0','0','0'),

('20','511','2','0','0','0'),

('21','512','7','0','0','0'),

('22','513','9','0','0','0'),

('23','514','8','0','0','0'),

('24','515','4','0','0','0'),

('25','516','4','0','0','0'),

('26','517','1','0','0','0'),

('27','518','8','0','0','0'),

('28','519','0','0','0','0'),

('29','520','8','0','0','0'),

('30','521','5','0','0','0'),

('31','522','0','0','0','0'),

('32','523','4','0','0','0'),

('33','524','0','0','0','0'),

('34','525','8','0','0','0'),

('35','526','7','0','0','0'),

('36','527','1','0','0','0'),

('37','528','7','0','0','0'),

('38','529','0','0','0','0'),

('39','530','0','0','0','0'),

('40','531','5','0','0','0'),

('41','532','7','0','0','0'),

('42','533','9','0','0','0'),

('43','534','8','0','0','0'),

('44','535','4','0','0','0'),

('45','536','4','0','0','0'),

('46','537','1','0','0','0'),

('47','538','8','0','0','0'),

('48','539','0','0','0','0'),

('49','540','8','0','0','0'),

('50','541','5','0','0','0'),

('51','542','5','0','0','0'),

('52','543','5','0','0','0'),

('53','544','4','0','0','0'),

('54','545','9','0','0','0'),

('55','546','2','0','0','0'),

('56','547','5','0','0','0'),

('57','548','3','0','0','0'),

('58','549','7','0','0','0'),

('59','550','2','0','0','0'),

('60','551','7','0','0','0'),

('61','552','9','0','0','0'),

('62','553','9','0','0','0'),

('63','554','8','0','0','0'),

('64','555','4','0','0','0'),

('65','556','4','0','0','0'),

('66','557','1','0','0','0'),

('67','558','8','0','0','0'),

('68','559','0','0','0','0'),

('69','560','8','0','0','0'),

('70','561','5','0','0','0'),

('71','562','0','0','0','0'),

('72','563','4','0','0','0'),

('73','564','0','0','0','0');

--inserting data into table coach

insert into [dbo].[Coach]

values

(101,'Sakib','1015'),

(102,'Rabbi','1016'),

(103,'Sopon','1017'),

(104,'Aloke','1018'),

(105,'Nadeem','1019'),

(106,'Imran','1020'),

(107,'Murad','1021'),

(108,'Nahian','1022');

--inserting data into table guide

insert into [dbo].[Guide]

values

(01, 101),

(02, 102),

(03, 103),

(04, 104),

(05, 105),

(06, 106),

(07, 107),

(08, 108);

--inserting data into table Sponsor

insert into[dbo].[Sponsor]

values

(201,'Acer'),

(202,'DELL'),

(203,'SAMSUNG'),

(204,'HP'),

(205,'Asus'),

(206,'Xaiomi'),

(207,'LG'),

(208,'Walton');

--inserting data into table support\_by

insert into [dbo].[support\_by]

values

(01,201),

(02,202),

(03,203),

(04,204),

(05,205 ),

(06,206),

(07,207),

(08,208);

--inserting data into table match

insert into [dbo].[match]

values

(301,04,'1st June','Won'),

(302,03,'3rd June','Won'),

(303,01,'5th June','Lose'),

(304,02,'8th June','Lose'),

(305,05,'15th Jun','Won'),

(306,06,'18th June','Lose'),

(307,07,'25th Jun','Won'),

(308,07,'25th Jun','Won');

--inserting data into table Played\_At

insert into [dbo].[Played\_At]

values

(301,401),

(302,402),

(303,403),

(304,404),

(305,405),

(306,403),

(307,405),

(308,402);

--inserting data into table Stadium

insert into [dbo].[Stadium]

values

(401,'MirpurGround','1010'),

(402,'FarmgateGround ','1011'),

(403,'PurbachalGround','1012'),

(404,'MujibGarden','1013'),

(405,'LordMirazGround','1014');

--Stadium address

insert into address values

(1010,'Dhaka','Dhaka','Mirpur','OceanRoad'),

(1011,'Dhaka','Dhaka','Farmgate','greenroad'),

(1012,'Dhaka','Dhaka','Purbachal','Yellowroad'),

(1013,'Dhaka','Dhaka','Mirpur','blueroad'),

(1014,'Dhaka','Dhaka','Dhanmondi','whiteroad');

--Coach Addres

insert into address values

(1015,'Dhaka','Savar','Savar','BazarRoad'),

(1016,'Chittagong','Noakhali','Maijdee','GaneshMandir'),

(1017,'Khulna','Bagherhat','Khanjhan','MangalBazar'),

(1018,'Rangpur','rangpur','uttam','sumoroad'),

(1019,'Dhaka','Dhaka','Mirpur','Shankhamul'),

(1020,'sylhet','srimongal','sunamgonj','Sonapur'),

(1021,'Kamrangichor','purba','Rasulpur','7no.goli'),

(1022,'Noakhali','laxmipur','Ramgonj','kanchanpur');

--club address

insert into address values

(1023,'Dhaka','Dhaka','Mirpur','Kajipara'),

(1024,'Dhaka','Dhaka','farmgate','Greenroad'),

(1025,'Dhaka','Dhaka','Purbachal','kajibari'),

(1026,'Dhaka','Dhaka','Dhanmondi','lake'),

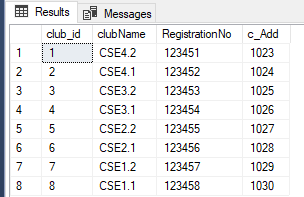
(1027,'Dhaka','Dhaka','Gulistan','CampusGate'),

(1028,'Dhaka','Dhaka','Purbachal','kajibari'),

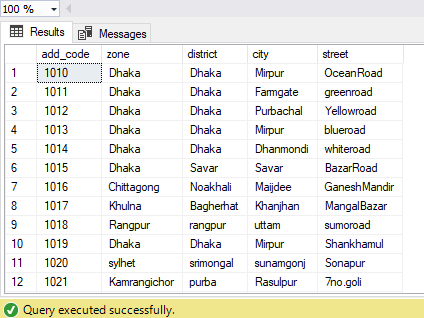
(1029,'Dhaka','Dhaka','Dhanmondi','lake'),

(1030,'Dhaka','Dhaka','Gulistan','CampusGate');

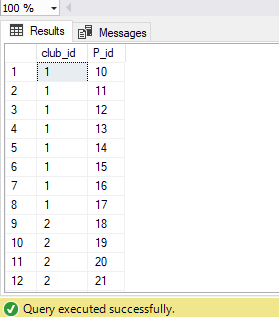
select \* from [dbo].[club]



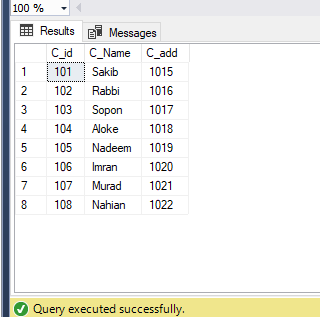
select \* from [dbo].[address]



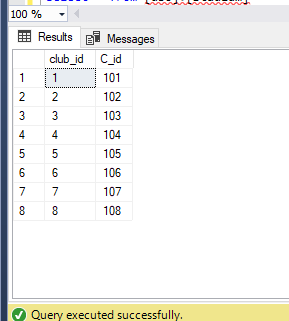
select \* from [dbo].[club\_has]



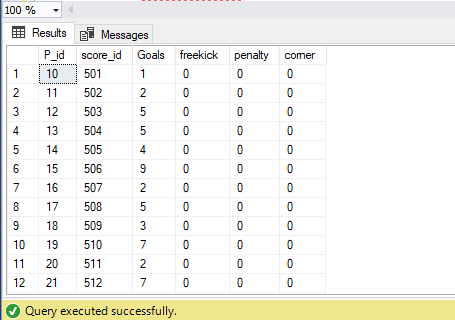
select \* from [dbo].[Coach]



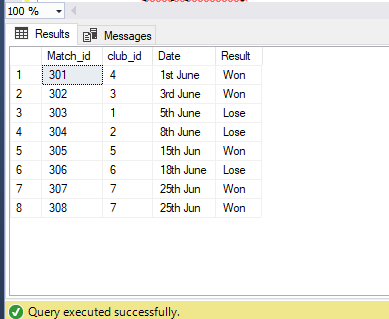
select \* from [dbo].[Guide]



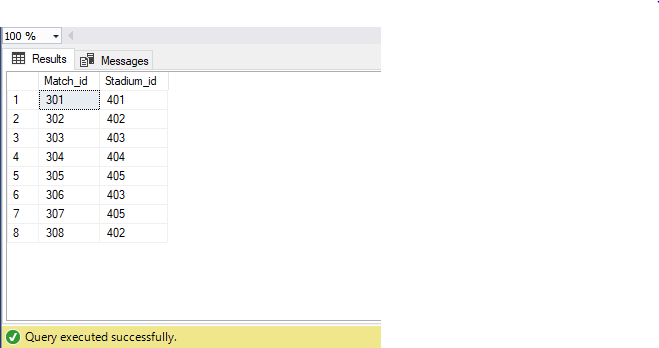
select \* from [dbo].[Individual\_Score]



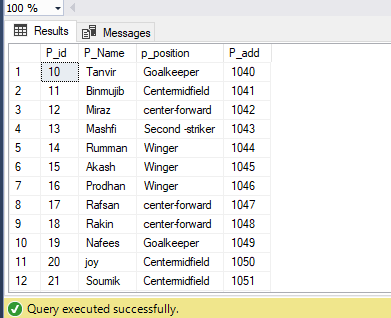
select \* from [dbo].[match]



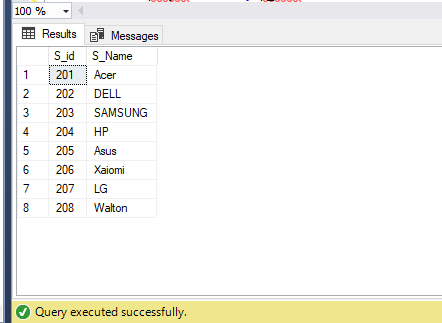
select \* from [dbo].[Played\_At]



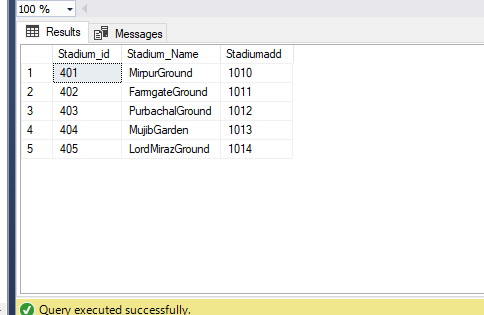
select \* from [dbo].[player]



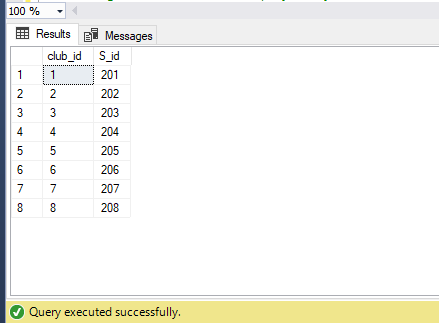
select \* from [dbo].[Sponsor]



select \* from [dbo].[Stadium]



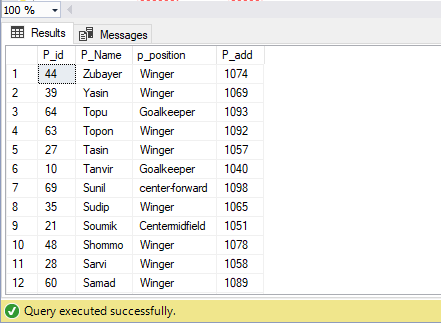
select \* from [dbo].[support\_by]



**Query**

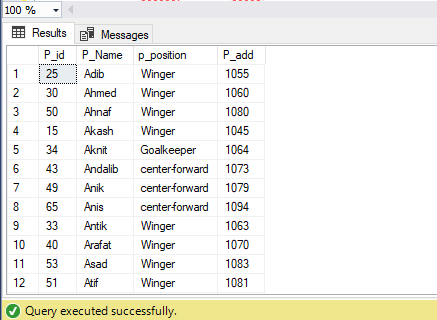
--1.Arrange all the details of players by their name in discending

select \* from player order by p\_name desc



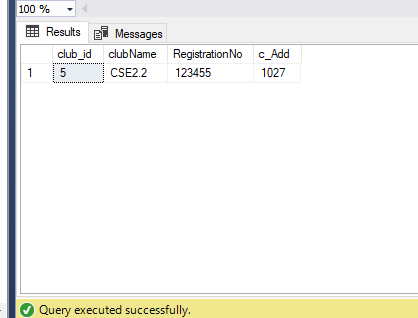
--2.Arrange all the details of players by their name in ascending

select \* from player order by p\_name asc



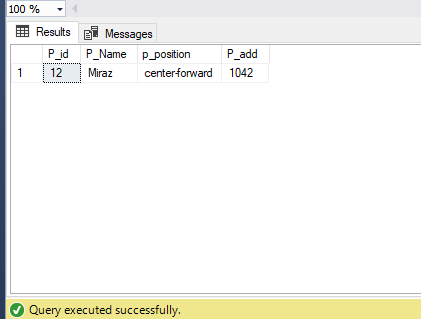
--3.Retrieve all detail of club with id 05

select\*from club where club\_id=05



--4.Retrieve name of player whose address is =1042

select \* from player where p\_add=1042

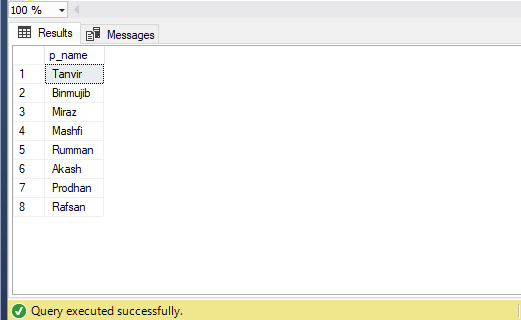


--5.Retrieve the name of the player who is in club CSE 4.1

select p\_name

from player ,club\_has,club

where player.p\_id=club\_has.p\_id and club\_has.club\_id=club.club\_id and clubName ='CSE4.1';

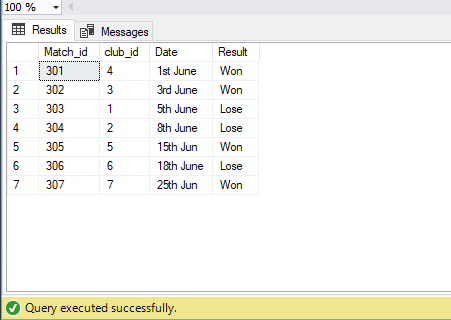


--6.Retrieve all match detail with match id between 301 and 307

Select\*

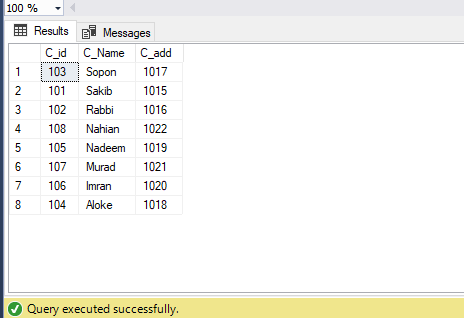
from match

where match\_id between 301 and 307;



--7.Retrieve all the details of coaches

select \* from coach order by c\_name desc



--8.Retrieve all the details of Sponsors

select \* from sponsor order by s\_name desc

