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create database assignment2

create table team(

teamNum int primary key not null,

teamName char(15) not null,

City char(15) not null,

manager char(15) not null,

);

create table coach(

teamNum int not null,

coachName char(15) not null,

address char(30) not null,

primary key(teamNum,coachName),

foreign key (teamNum) references team(teamNum) on update cascade,

);

create table workExperience(

teamNum int not null,

coachName char(15) not null,

experianceType char(15) not null,

yearsExperience int not null,

primary key(teamNum,coachName),

foreign key (teamNum) references team(teamNum) on update cascade,

--foreign key (coachName) references coach(coachName),

);

create table bats(

teamNum int primary key not null,

serialNum int not null,

manufacturer char(15) not null,

foreign key (teamNum) references team(teamNum) on update cascade,

);

create table player(

playerNum int primary key not null,

playerName char(15) not null,

age int not null,

);

create table affiliation(

teamNum int not null,

playerNum int not null,

years int not null,

battingAvg int not null,

primary key(teamNum,playerNum),

foreign key (teamNum) references team(teamNum) on update cascade,

foreign key (playerNum) references player(playerNum) on update cascade,

);

-- populating data

insert into team

values (1,’team1’,’city1’,’person1’);

insert into team

values (2,’team2’,’city2’,’person2’);

insert into coach

values (1,’coach1’,’home1’);

insert into coach

values (2,’coach2’,’home2’);

insert into workExperience

values (1,’coach1’,’expe1’,10);

insert into workExperience

values (2,’coach2’,’expe2’,15);

insert into bats values (1,1,’man1’);

insert into bats values (2,2,’man2’);

insert into player values (1,’player1’,22);

insert into player values (2,’player2’,20);

insert into affiliation values (1,1,11,22);

insert into affiliation values (2,2,12,20);

**QUERY**

-- query no. 1

select teamName,city

from team where teamNum > 15

--query no.2

select coachName from workExperience

where experianceType = 'college' and yearsExperience > 5 and yearsExperience < 10

--query no.3

select yearsExperience,coachName from workExperience

where coachName = 'waqar' and teamNum = 23

--query no.4

select experianceType from workExperience

where coachName = 'waqar' and teamNum = 23

--query no.5

select yearsExperience,coachName from workExperience

where teamNum = 23

--query no.6

select manufacturer from bats

--query no.7

select playerName from affiliation inner join player

on [affiliation].playerNum = [player].playerNum

and teamNum = (select teamNum from team where teamName = 'dodgers')

and years>=5

--query no.8

select top 1 playerName from player

order by age asc

--query no.9

select playerName from affiliation inner join player

on [player].playerNum = [affiliation].playerNum

inner join team

on [team].teamNum = [affiliation].teamNum

group by playerName

having count([team].teamNum)>1

--query no.10

select playerName from player

where playerNum = (select playerNum from affiliation

where teamNum = 0)

--team no 0 set for no team

--query no.11

select playerName,count([team].teamNum) from affiliation inner join player

on [player].playerNum = [affiliation].playerNum

inner join team

on [team].teamNum = [affiliation].teamNum

group by playerName

having count([team].teamNum)>1

-- queryno.12

select teamName , avg (battingavg) from team inner join affiliation

on [team].teamNum = [affiliation].teamNum