Jacob Kohav

4.

1. ﻿CREATE TABLE universities(

university\_name VARCHAR PRIMARY KEY,

date\_established DATE,

address VARCHAR,

student\_population INT,

acceptance\_rate DECIMAL);

2. INSERT INTO universities (university\_name, date\_established, address, student\_population, acceptance\_rate) VALUES ('CU Boulder', '18760101','1100 28th St, Boulder, CO 80303', 35000, 80.00);

5.

1. SELECT name, major from football\_players ORDER BY major; (Select the Name and Major of the Football Players and Order by Major)

2. SELECT name, rushing\_yards from football\_players where rushing\_yards >= 70; (Select the Name and Rushing Yards of the Football Players, Condition: Rushing Yards Greater than 70)

3. SELECT \* from football\_games where visitor\_name = 'Nebraska'; (Select All Columns from Football Games, Condition: Visitor Name = Nebraska)

4. SELECT \* from football\_games where home\_score > visitor\_score; (Select All Columns from Football Games, Condition: Home\_Score Greater than Visitor Score)

5. SELECT visitor\_name, game\_date from football\_games;

6. SELECT AVG(home\_score) from football\_games;

7. SELECT major, COUNT(major) as number\_of\_players FROM football\_players GROUP BY major;

8. SELECT major, COUNT(major) as number\_of\_players FROM football\_players WHERE major = 'CSCI' GROUP BY major;

6.

1. CREATE VIEW total\_winning\_games AS

SELECT COUNT (\*) from football\_games WHERE home\_score > visitor\_score;

SELECT \* from total\_winning\_games;

2. CREATE VIEW total\_games AS

SELECT COUNT (\*) from football\_games;

SELECT \* from total\_games;

3. SELECT (CAST((SELECT \* from total\_winning\_games) as FLOAT)/CAST((SELECT \* from total\_games) as FLOAT))\*100;

7.

1. CREATE VIEW player\_games as

SELECT football\_games.game\_date from football\_games INNER JOIN football\_players on football\_players.id = ANY (football\_games.players) WHERE football\_players.name = 'Cedric Vega';

SELECT COUNT (\*) from player\_games;

2. CREATE VIEW player\_games as

SELECT football\_games.game\_date from football\_games INNER JOIN football\_players on football\_players.id = ANY (football\_games.players) WHERE football\_players.name = 'Cedric Vega';

CREATE VIEW player\_yards as

SELECT SUM (rushing\_yards) from football\_players where name = 'Cedric Vega';

SELECT CAST((SELECT \* from player\_yards) as FLOAT)/CAST((SELECT COUNT (\*) from player\_games) as FLOAT);