CREATE TABLE D (

D\_Id SERIAL PRIMARY KEY,

D\_Name VARCHAR(50)

);

CREATE TABLE T (

T\_Id SERIAL PRIMARY KEY,

D\_Name VARCHAR(50),

Skill VARCHAR(50),

D\_ID INT REFERENCES D(D\_Id)

);

INSERT INTO T (T\_Id, D\_Name, Skill, D\_ID)

VALUES

(11, 'Sam', 'C', 1),

(22, 'Sheldon', 'Finance', 3),

(33, 'Oliver', 'Circuits', 2),

(44, 'Emma', 'Criminology', 4),

(55, 'Harry', 'Poetry', 5);

INSERT INTO D (D\_Id, D\_Name)

VALUES

(1, 'CS'),

(2, 'EEE'),

(3, 'BBA'),

(22, 'LAW'),

(5, 'ENGLISH');

1.

CREATE ROLE Director;

CREATE ROLE Head;

CREATE ROLE Teacher;

CREATE USER Sam IDENTIFIED BY 'dean';

CREATE USER Sheldon IDENTIFIED BY 'amy';

CREATE USER Oliver IDENTIFIED BY 'twist';

CREATE USER Emma IDENTIFIED BY 'henry';

CREATE USER Harry IDENTIFIED BY 'ginny';

GRANT Director TO Sam;

GRANT Head TO Sheldon;

GRANT Teacher TO Oliver, Emma, Harry;

2.

CREATE OR REPLACE VIEW EmployeeDepartmentView AS

SELECT T.T\_Id, T.D\_Name AS EmployeeName, D.D\_Name AS DepartmentName

FROM T

JOIN D ON T.D\_ID = D.D\_Id;

3.

SELECT EmployeeName, DepartmentName FROM EmployeeDepartmentView;