



1.

2. **CREATE TABLE Assign**(
 FId VARCHAR(8),
 CId VARCHAR(8),
 Assign_Date DATE,
 CONSTRAINT Assign_FId_CId_pk PRIMARY KEY(FId, CId),
 CONSTRAINT Assign_FId_fk FOREIGN KEY(FId) REFERENCES Faculty(FId),
 CONSTRAINT Assign_CId_fk FOREIGN KEY(CId) REFERENCES Course(CId));

CREATE TABLE Qualify(
 FId VARCHAR(8),
 CId VARCHAR(8),
 Qualify_Date DATE,
 CONSTRAINT Faculty_FId_CId_pk PRIMARY KEY(FId, CId),
 CONSTRAINT Faculty_FId_fk FOREIGN KEY(FId) REFERENCES Faculty(FId),
 CONSTRAINT Faculty_CId_fk FOREIGN KEY(CId) REFERENCES Course(CId)

CREATE TABLE Course(
 Cname VARCHAR(128),
 CId VARCHAR(8),
 CONSTRAINT Faculty_CId_pk PRIMARY KEY(CId));

```
CREATE TABLE Faculty (
Fid VARCHAR(8),
FName VARCHAR(32),
CONSTRAINT Faculty_Fid_pk PRIMARY KEY(Fid));
```

3. INSERT INTO Assign

```
WITH names(Fid,Cld,assign_date) AS(
SELECT '00000002', '10000002', '01-30-2022' FROM dual UNION ALL
SELECT '00000003', '10000003', '10-12-2015' FROM dual UNION ALL
SELECT '00000004', '10000004', '03-25-1999' FROM dual UNION ALL
SELECT '00000005', '10000005', '05-15-2017' FROM dual UNION ALL
SELECT '00000006', '10000006', '07-26-1998' FROM dual UNION ALL
SELECT '00000007', '10000007', '08-30-2000' FROM dual UNION ALL
SELECT '00000008', '10000008', '10-31-2005' FROM dual UNION ALL
SELECT '00000009', '10000009', '11-30-2001' FROM dual UNION ALL
SELECT '00000010', '10000010', '12-25-2003' FROM dual UNION ALL
SELECT '00000011', '10000011', '07-14-1978' FROM dual UNION ALL
SELECT '00000012', '10000012', '05-10-2009' FROM dual UNION ALL
SELECT '00000013', '10000013', '09-15-2017' FROM dual UNION ALL
SELECT '00000014', '10000014', '06-10-2012' FROM dual UNION ALL
SELECT '00000015', '10000015', '04-20-2011' FROM dual
)
SELECT * FROM names;
```

INSERT INTO Qualify

```
VALUES(
'00000001', '10000001', '01-30-2022'
);
```

INSERT INTO Qualify

```
WITH names(Fid,Cld,qualify_date) AS(
SELECT '00000002', '10000002', '01-30-2022' FROM dual UNION ALL
SELECT '00000003', '10000003', '10-12-2015' FROM dual UNION ALL
SELECT '00000004', '10000004', '03-25-1999' FROM dual UNION ALL
SELECT '00000005', '10000005', '05-15-2017' FROM dual UNION ALL
SELECT '00000006', '10000006', '07-26-1998' FROM dual UNION ALL
SELECT '00000007', '10000007', '08-30-2000' FROM dual UNION ALL
SELECT '00000008', '10000008', '10-31-2005' FROM dual UNION ALL
SELECT '00000009', '10000009', '11-30-2001' FROM dual UNION ALL
SELECT '00000010', '10000010', '12-25-2003' FROM dual UNION ALL
SELECT '00000011', '10000011', '07-14-1978' FROM dual UNION ALL
SELECT '00000012', '10000012', '05-10-2009' FROM dual UNION ALL
SELECT '00000013', '10000013', '09-15-2017' FROM dual UNION ALL
SELECT '00000014', '10000014', '06-10-2012' FROM dual UNION ALL
SELECT '00000015', '10000015', '04-20-2011' FROM dual
```

```
)  
SELECT * FROM names;
```

```
INSERT INTO Course  
WITH names(CId,Fname) AS(  
SELECT '10000001', 'Software Engineering' FROM dual UNION ALL  
SELECT '10000002', 'Calculus' FROM dual UNION ALL  
SELECT '10000003', 'English' FROM dual UNION ALL  
SELECT '10000004', 'Spanish' FROM dual UNION ALL  
SELECT '10000005', 'Dance' FROM dual UNION ALL  
SELECT '10000006', 'Python Development' FROM dual UNION ALL  
SELECT '10000007', 'Database Theory' FROM dual UNION ALL  
SELECT '10000008', 'Operating Systems' FROM dual UNION ALL  
SELECT '10000009', 'Java' FROM dual UNION ALL  
SELECT '10000010', 'Javascript' FROM dual UNION ALL  
SELECT '10000011', 'Physics' FROM dual UNION ALL  
SELECT '10000012', 'English Two' FROM dual UNION ALL  
SELECT '10000013', 'Ethics' FROM dual UNION ALL  
SELECT '10000014', 'Art' FROM dual UNION ALL  
SELECT '10000015', 'Discrete Math' FROM dual  
)  
SELECT * FROM names;
```

```
INSERT INTO Faculty (FId, Fname)  
VALUES  
('00000001', 'John');  
INSERT INTO Faculty  
WITH names(FId,Fname) AS(  
SELECT '00000002', 'Mary' FROM dual UNION ALL  
SELECT '00000003', 'George' FROM dual UNION ALL  
SELECT '00000004', 'James' FROM dual UNION ALL  
SELECT '00000005', 'Jessy' FROM dual UNION ALL  
SELECT '00000006', 'Ash' FROM dual UNION ALL  
SELECT '00000007', 'Kindred' FROM dual UNION ALL  
SELECT '00000008', 'Gwen' FROM dual UNION ALL  
SELECT '00000009', 'Zoe' FROM dual UNION ALL  
SELECT '00000010', 'Ashe' FROM dual UNION ALL  
SELECT '00000011', 'Kaisa' FROM dual UNION ALL  
SELECT '00000012', 'Luke' FROM dual UNION ALL  
SELECT '00000013', 'Mark' FROM dual UNION ALL  
SELECT '00000014', 'Cody' FROM dual UNION ALL  
SELECT '00000015', 'Bradley' FROM dual  
)  
SELECT * FROM names;
```