**CPS510 Fall2021 Section 04**

**Group-11**

**Assignment 4**

**Views and Queries**

**Demo of Designing Views/ Queries**

**Application Name: Online Job Bank System.**

Group Member names:

1. Tusaif Azmat

Student#: 500660278

1. Ankit Dheedsa

Student#: 500975118

1. Mahdi Alam

Student#: 500969935

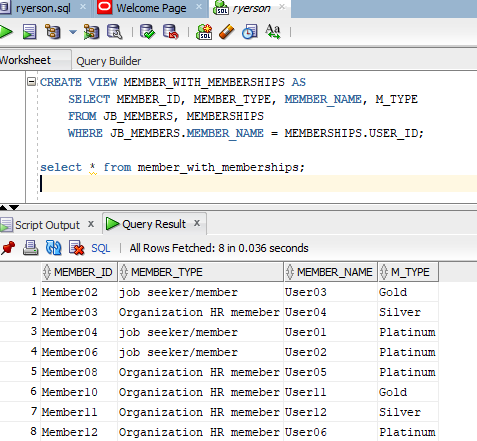
-- Table Views

CREATE VIEW MEMBER\_WITH\_MEMBERSHIPS AS

SELECT MEMBER\_ID, MEMBER\_TYPE, MEMBER\_NAME, M\_TYPE

FROM JB\_MEMBERS, MEMBERSHIPS

WHERE JB\_MEMBERS.MEMBER\_NAME = MEMBERSHIPS.USER\_ID;

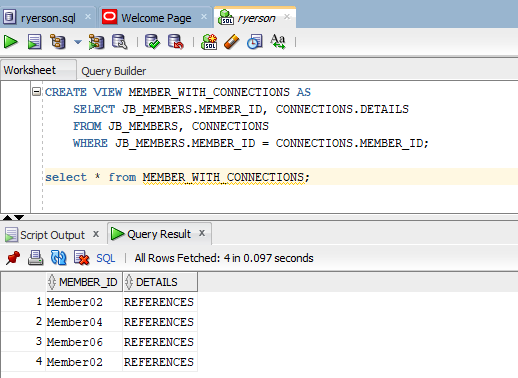
select \* from member\_with\_memberships;

CREATE VIEW MEMBER\_WITH\_CONNECTIONS AS

SELECT JB\_MEMBERS.MEMBER\_ID, CONNECTIONS.DETAILS

FROM JB\_MEMBERS, CONNECTIONS

WHERE JB\_MEMBERS.MEMBER\_ID = CONNECTIONS.MEMBER\_ID;

select \* from MEMBER\_WITH\_CONNECTIONS;

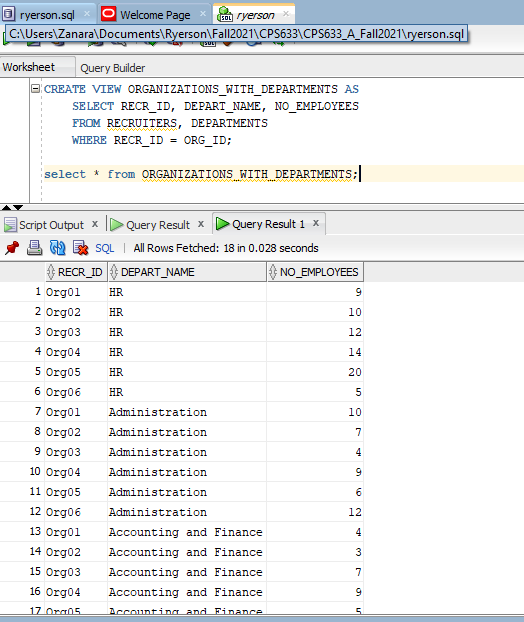
CREATE VIEW ORGANIZATIONS\_WITH\_DEPARTMENTS AS

SELECT RECR\_ID, DEPART\_NAME, NO\_EMPLOYEES

FROM RECRUITERS, DEPARTMENTS

WHERE RECR\_ID = ORG\_ID;

select \* from ORGANIZATIONS\_WITH\_DEPARTMENTS;

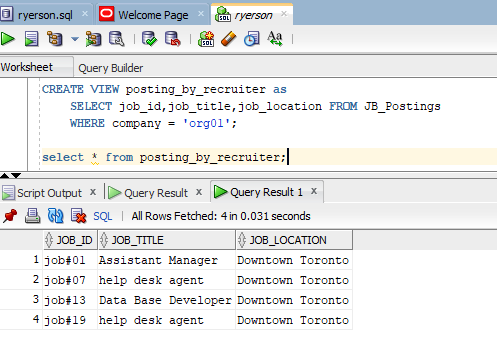


CREATE VIEW posting\_by\_recruiter as

SELECT job\_id,job\_title,job\_location FROM JB\_Postings

WHERE company = 'org01';

select \* from posting\_by\_recruiter;



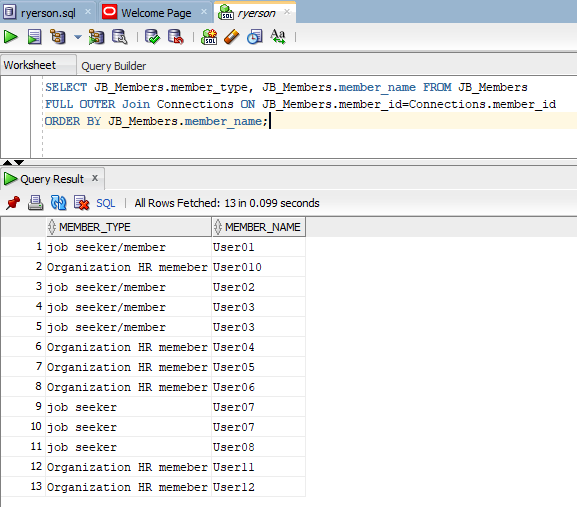
**-- advanced Queries**

-- Join Queries

SELECT JB\_Members.member\_type, JB\_Members.member\_name FROM JB\_Members

FULL OUTER Join Connections ON JB\_Members.member\_id=Connections.member\_id

ORDER BY JB\_Members.member\_name;



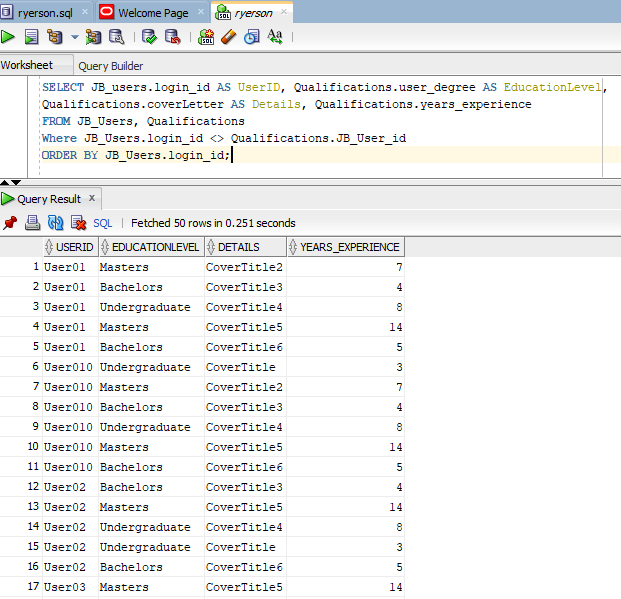
SELECT JB\_users.login\_id AS UserID, Qualifications.user\_degree AS EducationLevel,

Qualifications.coverLetter AS Details, Qualifications.years\_experience

FROM JB\_Users, Qualifications

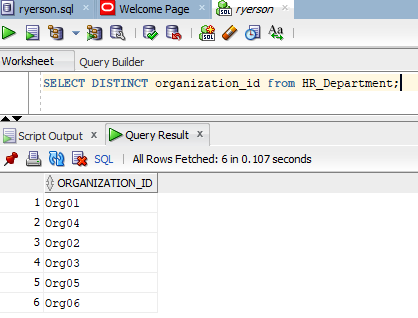
Where JB\_Users.login\_id <> Qualifications.JB\_User\_id

ORDER BY JB\_Users.login\_id;

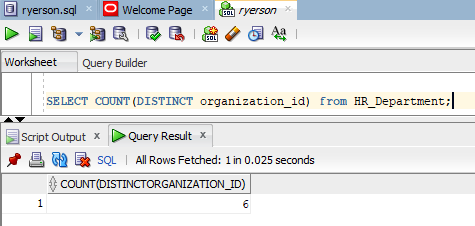


--DISTINCT Queries

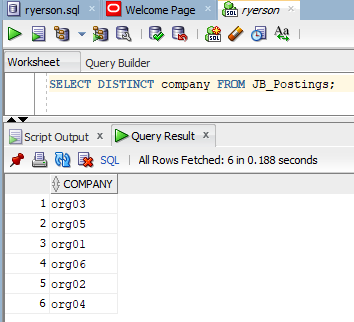
SELECT DISTINCT organization\_id from HR\_Department;



SELECT COUNT(DISTINCT organization\_id) from HR\_Department;

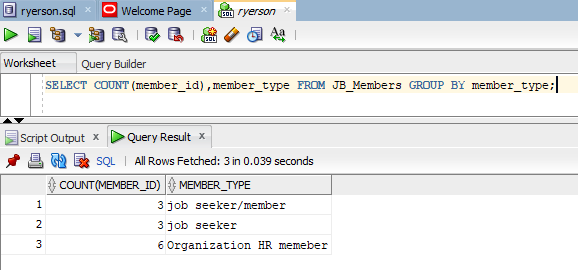


SELECT DISTINCT company FROM JB\_Postings;

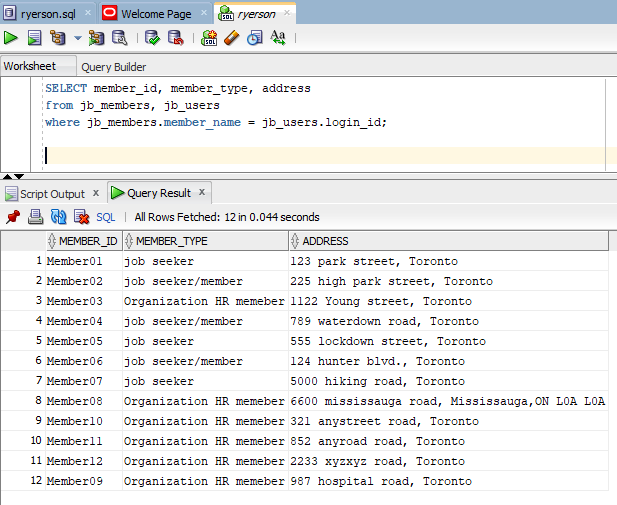


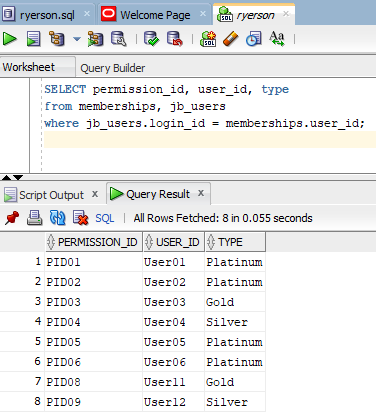
--Grouping/Sorting Commands

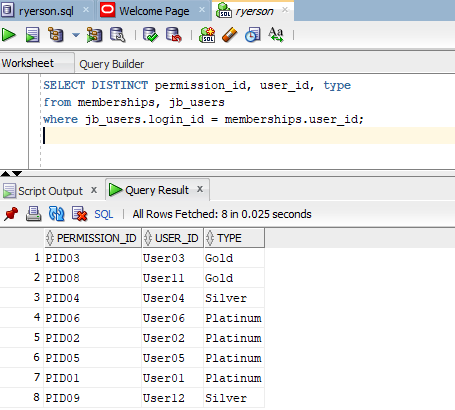
SELECT COUNT(member\_id),member\_type FROM JB\_Members GROUP BY member\_type;

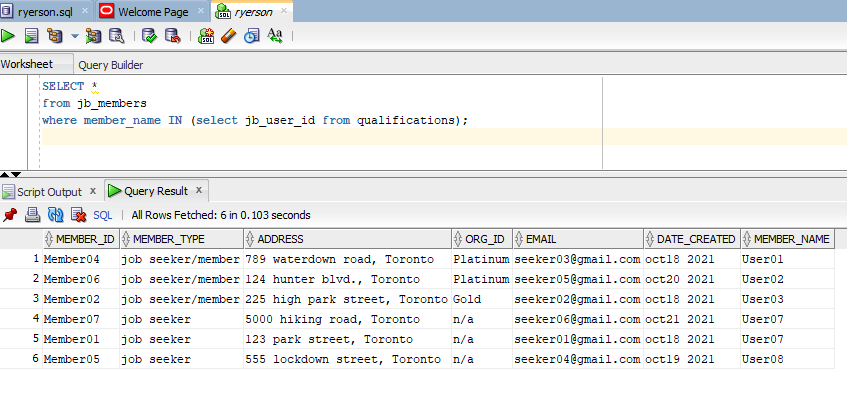


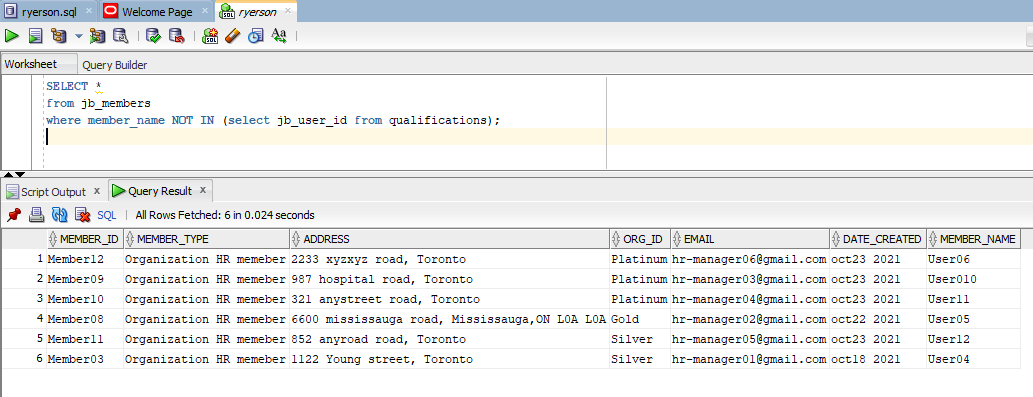
* Use of **Where** clause

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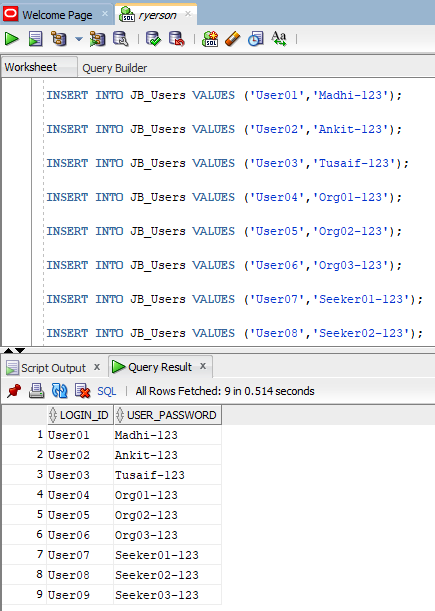
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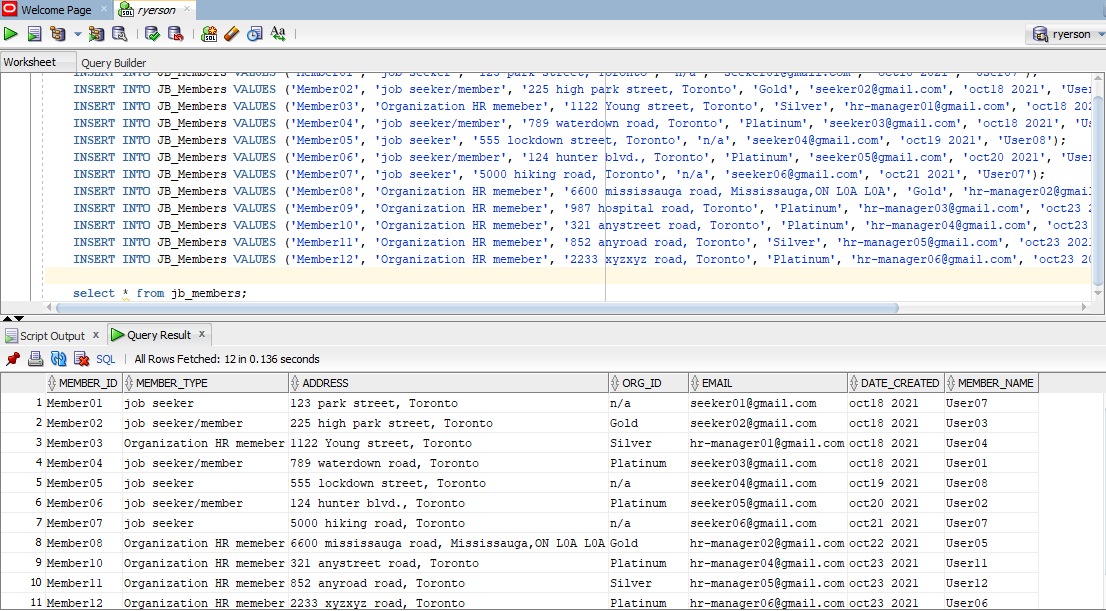
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**Screen Shots:**

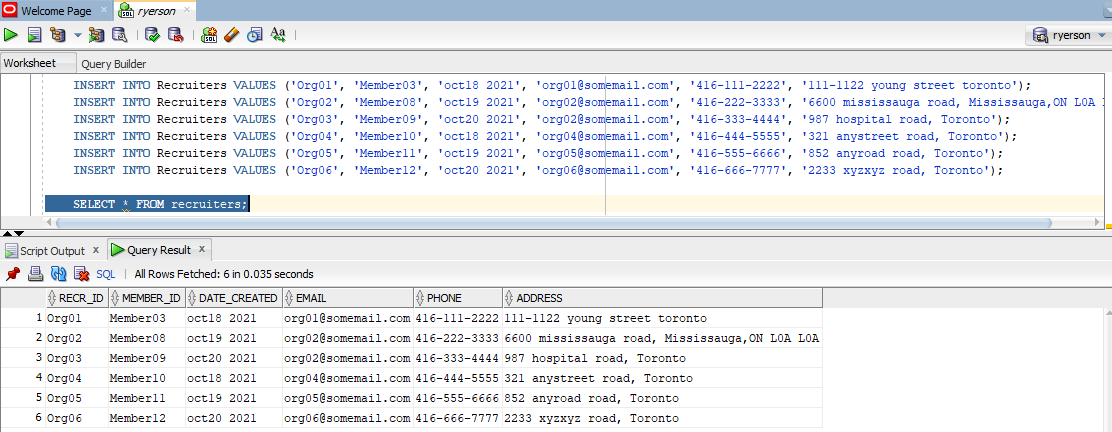
**JB\_Users Table Views and Queries.**

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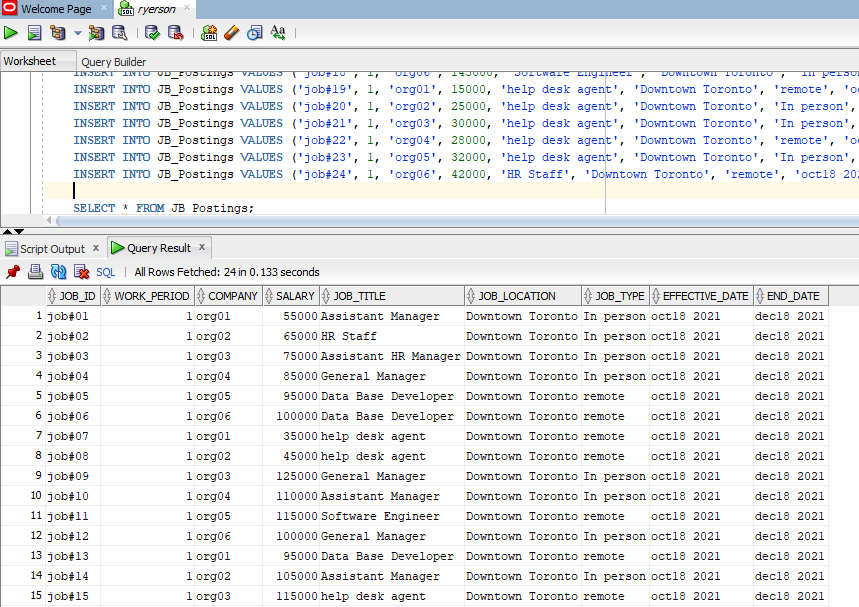
**JB\_Members Table Views and Queries.**

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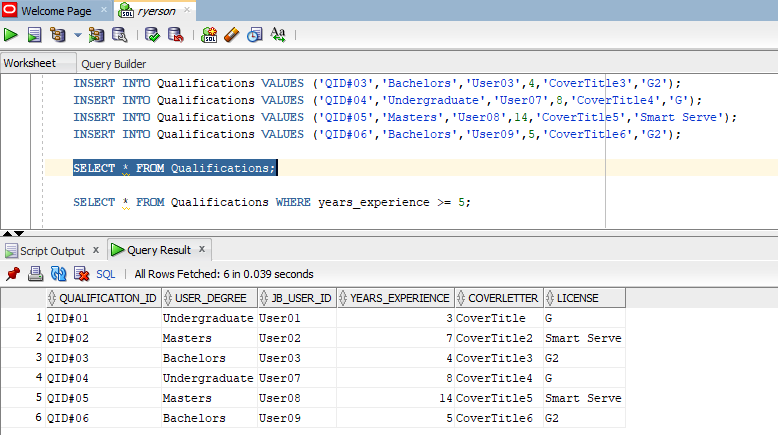
**JB\_Members Table Views and Queries.**

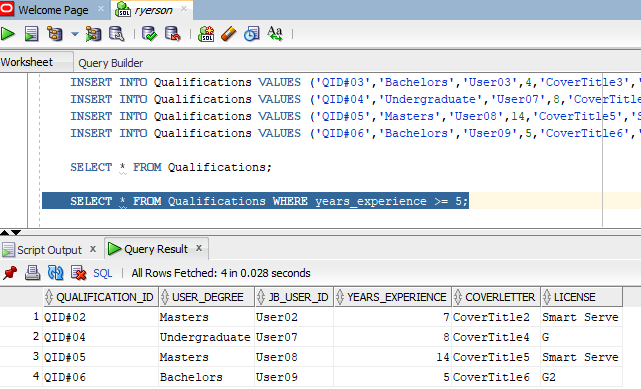
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**JB\_Postings Table Views and Queries.**

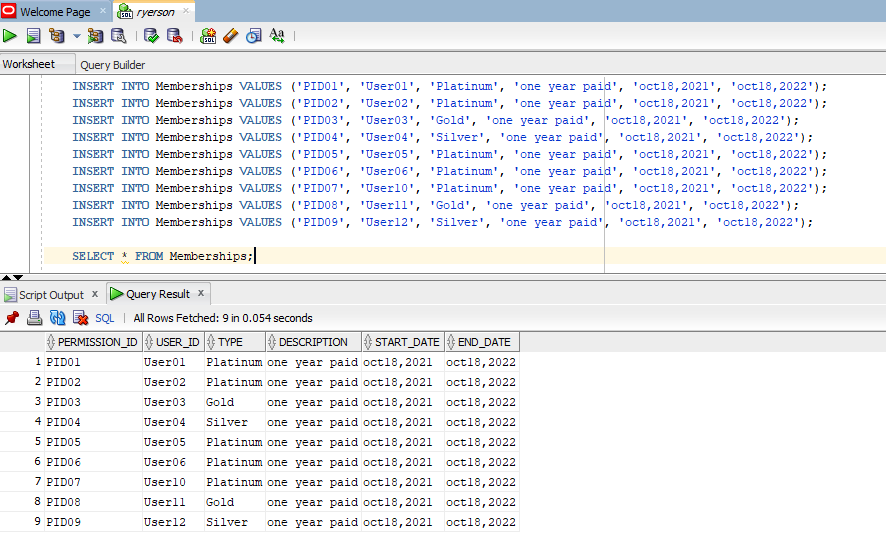
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**Qualifications Table Views and Queries.**

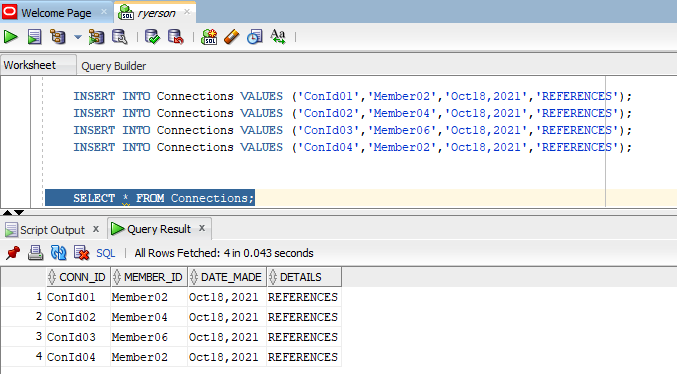


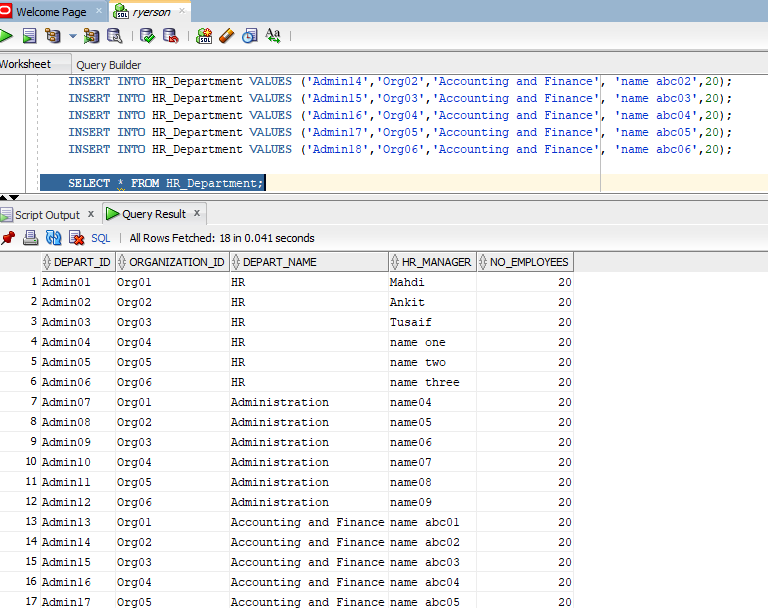


**Memberships Table Views and Queries.**



**Connections Table Views and Queries.**



**HR\_Department Table Views and Queries. **