DATABASE PROGRAMMING WITH SQL

7.1 Oracle Equijoin and Cartesian Product

```
eno VARCHAR(14),
ename VARCHAR(14),
eadhress VARCHAR(15),
epno VARCHAR(15),
depno VARCHAR(15),
depno VARCHAR(14),
jobid VARCHAR(10),
salary VARCHAR(10),
create_date DATE DEFAULT SYSDATE);
```

ENO	ENAME	EADHRESS	EPNO	DEPNO	DEPNAME	JOBID	SALARY	CREATE_DATE
03	mahat	chennai	684	3456433	есе	5698	700000	26-Jul-2024
01	deepa	tpt	3256	3456433	cse	9954	2568752	26-Jul-2024
04	mahath	chennai	5564	3456433	it	22313	3300000	26-Jul-2024
05	mahi	chenai	7523	3456433	ai	68876	3695000	26-Jul-2024

```
CREATE TABLE jobs (

job_id VARCHAR(10) PRIMARY KEY,

job_title VARCHAR(50) NOT NULL,

min_salary DECIMAL(8, 2),

max_salary DECIMAL(8, 2)

);
```

JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY
22313	CEO	100000	300000
9954	manager	45000	90000
5698	software	50000	70000

PROPRIETARY JOINS:

SELECT employ.ename, jobs.job title

FROM employ, jobs

WHERE employ.jobid=jobs.job_id;

ENAME	JOB_TITLE
mahat	software
deepa	manager
mahath	CEO
3 rows returned in 0.00 seconds Download	

EQUIJOIN:

SELECT employ.ename, employ.jobid, jobs.job_title

FROM employ, jobs

WHERE employ.jobid = jobs.job_id;



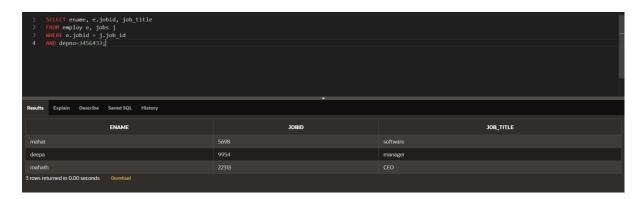
ALIASES:

SELECT ename, e.jobid, job_title

FROM employ e, jobs j

WHERE e.jobid = j.job_id

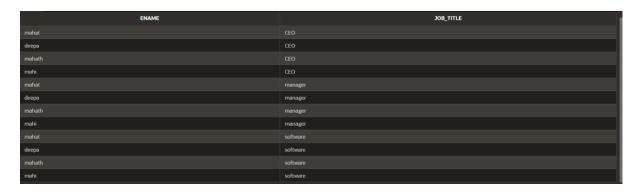
AND depno=3456433;



CARTESIAN PRODUCT JOIN:

 $SELECT\ employ.ename, jobs.job_title$

FROM employ, jobs;



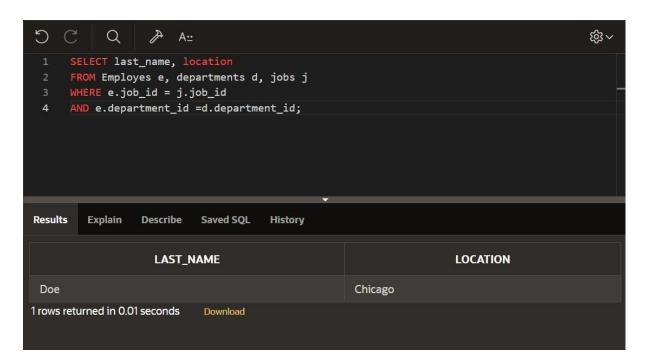
JOIN:

SELECT last name, location

FROM Employes e, departments d, jobs j

WHERE e.job_id = j.job_id

AND e.department_id =d.department_id;



DP 7.2:

Nonequijoin:

SELECT ename, salary, grade, lowsal,

highsal

FROM employ,job_grade

WHERE (salary BETWEEN lowsal AND highsal);

