

Section 6

HIERARCHICAL LEVEL

```
select level id,name,deptid
```

```
from emp
```

```
start with id=100
```

```
connect by prior id=deptid;
```

Results Explain Describe Saved SQL History		
ID	NAME	DEPTID
1	rahul	12
1 rows returned in 0.00 seconds Download		

HIERARCHICAL USING START WITH KEYWORD

```
select id,name,deptid
```

```
from emp
```

```
start with id=100
```

```
connect by prior id=deptid;
```

Results Explain Describe Saved SQL History		
ID	NAME	DEPTID
1	rahul	12
1 rows returned in 0.00 seconds Download		

FULL OUTER JOIN

```
select e.id,e.name,d.deptid,d.dept_name
```

```
from emp e full outer join dept d
```

```
on (e.deptid=d.deptid);
```

Results

Explain

Describe

Saved SQL

History

ID	NAME	DEPTID	DEPT_NAME
103	harsha	13	physics
104	harshitha	13	physics
105	harshini	14	maths
100	rahul	12	chemistry
102	vijay	13	physics
-	-	15	bioo

6 rows returned in 0.01 seconds

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RIGHT OUTER JOIN

```
select e.id,e.name,d.deptid,d.dept_name
from emp e right outer join dept d
on (e.deptid=d.deptid);
```

Results

Explain

Describe

Saved SQL

History

ID	NAME	DEPTID	DEPT_NAME
103	harsha	13	physics
104	harshitha	13	physics
105	harshini	14	maths
100	rahul	12	chemistry
102	vijay	13	physics
-	-	15	bioo

6 rows returned in 0.01 seconds

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LEFT OUTER JOIN

```
select e.id,e.name,d.deptid,d.dept_name
from emp e left outer join dept d
on (e.deptid=d.deptid);
```

Results	Explain	Describe	Saved SQL	History
ID	NAME	DEPTID	DEPT_NAME	
103	harsha	13	physics	
104	harshitha	13	physics	
105	harshini	14	maths	
100	rahul	12	chemistry	
102	vijay	13	physics	
5 rows returned in 0.00 seconds Download				

ON CLAUSE

```
select id,name,dept_name
from emp e join dept d
on(e.deptid=d.deptid);
```

Results	Explain	Describe	Saved SQL	History
ID	NAME	DEPT_NAME		
103	harsha	physics		
104	harshitha	physics		
105	harshini	maths		
100	rahul	chemistry		
102	vijay	physics		
5 rows returned in 0.01 seconds Download				

USING CLAUSE

```
select id,name,deptid,dept_name
from emp join dept using (deptid);
```

Results

Explain

Describe

Saved SQL

History

ID	NAME	DEPT_NAME
103	harsha	physics
104	harshitha	physics
105	harshini	maths
100	rahul	chemistry
102	vijay	physics

5 rows returned in 0.01 seconds

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CROSS JOIN

```
select id,name,dept_name
from emp cross join dept;
```

Results	Explain	Describe	Saved SQL	History
ID	NAME	DEPT_NAME		
103	harsha	maths		
104	harshitha	maths		
105	harshini	maths		
100	rahul	maths		
102	vijay	maths		
103	harsha	physics		
104	harshitha	physics		

NATURAL JOIN

```
select id,name,deptid,dept_name
from emp natural join dept;
```

Results	Explain	Describe	Saved SQL	History
ID	NAME	DEPTID	DEPT_NAME	
103	harsha	13	physics	
104	harshitha	13	physics	
105	harshini	14	maths	
100	rahul	12	chemistry	
102	vijay	13	physics	
5 rows returned in 0.00 seconds Download				