|  |  |  |
| --- | --- | --- |
| id | Food name | rate |
| 1 | biryani | 150 |
| 2 | sambar | 80 |
| 3 | vadapav | 50 |

* Alter table food

Add(type of food varchar(250))

Add(place varchar(260));

* Insert into food (type of food, place) Values (nonveg, Hyderabad);
* Insert into food (type of food,place)Values(veg, Chennai );
* Insert into food (type of food,place)Values(veg, Mumbai );

FOOD

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id | Food name | rate | Type of food | place |
| 1 | biryani | 150 | nonveg | hyderabad |
| 2 | sambar | 80 | veg | chennai |
| 3 | vadapav | 50 | veg | mumbai |

* Select max(rate)from food

Where rate in(select max(rate)from food);

Output:80

* Select food name from food

Where id>(select id from food where type of food=nonveg);

* Select avg(rate) from food

Where food name in(select food name from food where type of food=veg);

* Select food name from food

Where rate<(select rate from food where food name=biryani);

JOINS

EMPLOYEE

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| emp\_id | ename | job | sal | deptno |
| 1  2  3  4  5 | Sukumar  Smith  Vishnu  Giri  Sai | Manager  clerk  salesman  Analyst  clerk | 2000  3000  4000  5000  4000 | 10  20  30  40  50 |

DEPT

|  |  |  |  |
| --- | --- | --- | --- |
| dept\_id | dname | location | deptno |
| 1 | salesman | Hyderabad | 20 |
| 2 | clerk | Chennai | 10 |
| 3 | Manager | Bangalore | 40 |
| 4 | Analyst | Bangalore | 50 |

INNER JOIN

* Select ename,location from EMPLOYEE INNERJOIN DEPT ON EMPLOYEE.DEPTNO=DEPT.DEPTNO;

select dname from dept inner join employee on dept.deptno=employee.deptno where sal>3000;

LEFT OUTERJOIN

* Select ename,job from EMPLOYEE LEFT JOIN DEPT ON EMPLOYEE.DEPTNO=DEPT.DEPTNO where deptno<40;
* Select SAL from EMPLOYEE LEFT JOIN DEPT ON EMPLOYEE.deptno=DEPT.deptno where deptno=20;

RIGHT JOIN

* Select job from EMPLOYEE RIGHT JOIN DEPT ON EMPLOYEE.DEPTNO=DEPT.DEPTNO where salary between 2000 and 3000 ;

**Sub-Queries:-**

EMPLOYEE

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| emp\_id | ename | job | sal | deptno |
| 1  2  3  4  5 | Sukumar  Smith  Vishnu  Giri  Sai | Manager  clerk  salesman  Analyst  clerk | 2000  3000  4000  5000  4000 | 10  20  30  40  50 |

DEPT

|  |  |  |  |
| --- | --- | --- | --- |
| dept\_id | dname | location | deptno |
| 1 | salesman | Hyderabad | 20 |
| 2 | clerk | Chennai | 10 |
| 3 | Manager | Bangalore | 40 |
| 4 | Analyst | Bangalore | 50 |

1. select \* from employee where deptno =(select deptno from employee where ename='Giri');

2. select \* from employee where sal> (select sal from employee where ename='Sukumar') and job=(select job from employee where ename='Giri');

3.select location from dept where deptno=(select deptno from emp where ename=’Sukumar’);