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| A picture containing drawing, stop, room  Description automatically generated | Database Management Systems  Practical #5 | | |
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| **Subject/Course:** | Database Management Systems / BSc IT | | |
| **Practical 5** | To understand Joins and types of Joins and Subqueries | | |
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| **Qn.1 Create following two tables Employee and Department. Insert the given records to it.**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Empno | ename | Job | Deptno | Sal | | 101 | King | President | 10 | 20000 | | 102 | Blake | Manager | 10 | 12000 | | 103 | Clark | Manager | 10 | 11000 | | 104 | Jones | Manager | 20 | 10000 | | 105 | Scott | Analyst | 20 | 5000 | | 106 | Ford | Analyst | 30 | 6000 | | 107 | Allen | Salesman | 40 | 950 | | 108 | Turner | Salesman | 20 | 1100 | | 109 | James | Salesman | 10 | 1500 | | 110 | Jimmy | President | 30 | 25000 | | 111 | Menon | Salesman | 50 | 1200 | | 112 | Killer | Analyst | 50 | 450 |  |  |  | | --- | --- | | Deptno | Dname | | 10 | Accounts | | 20 | Research | | 30 | Sales | | 40 | Marketing |   **Write Queries with Output as Screen shots for the following Questions Based on above Table.**   1. **Write a query using a join to determine which employee is working in which department.** 2. **Write query using cross join to join Employee and Department table.** 3. **Display empno, ename, deptno from Employee and dname from Department using left join.** 4. **Display empno, ename, deptno from Employee and dname from Department using right join.** 5. **Display empno, ename, deptno from Employee and dname from Department using full join.** | | | |
| **create table emp33(Empno int,ename varchar2(250),job varchar2(250),Deptno int,Sal int)**  **desc emp33**  **insert into emp33 values ('101','King','President',10,20000)**  **insert into emp33 values ('102','Blake','Manager',10,12000)**  **insert into emp33 values ('103','clark','Manager',10,11000)**  **insert into emp33 values ('104','Jones','Manager',20,10000)**  **insert into emp33 values ('105','Scott','Analyst',20,5000)**  **insert into emp33 values ('106','Ford','Analyst',30,6000)**  **insert into emp33 values ('107','Allen','Saleman',40,950)**  **insert into emp33 values('108','Turner','Salesman',20,1100)**  **insert into emp33 values('109','James','Salesman',10,1500)**  **insert into emp33 values('110','Jimmy','President',30,25000)**  **insert into emp33 values('111','Menon','Salesman',50,1200)**  **insert into emp33 values('112','Killer','Analyst',50,450)**  **select \* from emp33**  **create table Dep(Deptno int,Dname varchar2(250))**  **desc Dep**  **insert into Dep values(10,'Accounts')**  **insert into Dep values(20,'Research')**  **insert into Dep values(30,'Sales')**  **insert into Dep values(40,'Marketing')**  **Select \* from Dep**  **select \* from emp33 natural join Dep;**  **select \* from emp33 cross join Dep;**  **select \* from emp33 left outer join Dep on (emp33.Deptno=Dep.Deptno);**  **select \* from emp33 right outer join Dep on (emp33.Deptno=Dep.Deptno);**  **select \* from emp33 full outer join Dep on (emp33.Deptno=Dep.Deptno);**      **1.**  2.  3.  4.  5. | | | |
| **Qn.2 Create following table Employee and Insert the given records to it.**  **Write Queries with Output as Screen shots for the following Questions Based on above Table.**   1. **Write query to find the salaries for all the employees who have a higher salary than Dev.** 2. **Write query to find the second highest salaries from all the employees.** 3. **Display details of an employee whose salary is greater than avg salary of employees who work as analyst.** 4. **Display the name of the employees whose salary is greater than the employee with empno 8.** 5. **Display empno, ename and job of the employees having salary less than manager.** | | | |
| create table employee( empid number, ename varchar(40), job varchar(40), Hiredate date, salary number );  select \* from student  insert into employee values(1,'Yogesh','AssiManager','12-Jun-18',50000) insert into employee values(2,'Chinmay','Analyst','12-Jan-18',5000) insert into employee values(3,'Dev','Analyst','12-Feb-18',20000) insert into employee values(4,'Saurabh','Salesman','12-apr-18',5000) insert into employee values(5,'Aadarsh','Peon','12-Mar-18',500) insert into employee values(6,'Sahil','Salesman','12-May-18',20000) insert into employee values(7,'Mansoor','Manager','12-Jun-18',50000) insert into employee values(8,'Yugesh','Assistant','12-Jun-18',50000) insert into employee values(9,'Sahiith','Leader','12-Jun-18',450000) insert into employee values(10,'Sagar','Projleader','12-Jun-18',35000) drop table employee  select \* from employee  Q1. select \* from employee where salary>(select salary from employee where ename='Dev')  2. select \* from employee where salary<(select salary from employee where job='Leader')    3.  select \* from employee where salary>(select avg(salary) from employee where job='Analyst')  Inserting image...  4. select ename from employee where salary>(select salary from employee where empid=8)    5.  select empid,ename,job from employee where salary>(select salary from employee where job='Manager') | | | |
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