

INFO 2415

Enterprise Database Systems

Lab 03

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1

```
SELECT
    fName || ' ' || lName,
    SYSDATE - hiredate,
    (SYSDATE - hiredate) / 7,
    months_between(SYSDATE, hiredate)
FROM myEmployee;
```

2

```
SELECT
    fName || ' ' || lName AS "Employee name",
    myDepartment.DeptNo,
    dName
FROM
    myEmployee, myDepartment
WHERE
    myEmployee.DeptNo = myDepartment.DeptNo;
```

3

```
SELECT
    fName || ' ' || lName AS "Employee name",
    to_char(hireDate, 'DD-MON-YYYY'),
    jobTitle
FROM
    myEmployee e, myDepartment d
WHERE
    e.DeptNo = d.DeptNo AND Loc = 'P.O.S'
ORDER BY hireDate DESC;
```

4

```
SELECT
    e1.Fname || ' ' || e1.Lname AS "Employee name",
    e1.JobTitle,
    e2.Fname || ' ' || e2.Lname as "Manager"
FROM
    myEmployee e1, myEmployee e2
WHERE
    e1.Mgr = e2.EmpNo;
```

5

```
SELECT
    e1.Fname, e1.Lname, e1.JobTitle,
    e2.FName, e2.Lname
FROM
    myEmployee e1, myEmployee e2
WHERE
    e1.Mgr = e2.empNo(+);
```

5

SELECT

e1.FName, e1.LName, e1.JobTitle,
e2.FName, e2.lname

FROM

myEmployee e1, myEmployee e2

WHERE

e1.Mgr(+) = e2.EmpNo;

6

```
SELECT dname, count(empno)
FROM myemployee e, mydepartment d
WHERE e.deptno = d.deptno
GROUP BY dname;
```


7

```
SELECT sum(sal), avg(sal)
FROM myemployee e, mydepartment d
WHERE e.deptno = d.deptno
GROUP BY dname;
```

8 and 9

--8

SELECT

DName, COUNT (EmpNo), SUM (Sal)

FROM myDepartment, myEmployee

WHERE

myDepartment.DeptNo = myEmployee.DeptNo

GROUP BY DName

HAVING COUNT (EmpNo) >= 5

ORDER BY SUM (Sal) DESC;

--9

@../lab3script.sql

10 and 11

--10

Create synonym Cust for Customer;

--11

Select * from Cust;

12

```
Select OrdID, CustName, EName, OrdDate  
From Customer c , Orders o, Employees e  
Where c.CustID = o.CustID  
      and e.EmpNum = o.EmpNum  
      and OrdDate <= to_date('01-Jun-1986', 'DD-MON-YYYY');
```

13

```
create table OrderDetails(  
  Ordid number(3) not null,  
  productid varchar2(5) not null,  
  quantityordered number(3) not null check(quantityordered > 0),  
  foreign key(ordid) references orders(ordid),  
  foreign key(productid) references product(productid),  
  primary key(ordid,productid));
```

14 and 15

```
Insert into OrderDetails Values (15, 'F4MPP', 0);
```

```
@../InstOD.sql
```

```
--15
```

```
Select ProductName
```

```
From Product P, OrderDetails OD, Orders O , Customer C
```

```
Where C.CustName = 'Krista Lewis'
```

```
and C.CustID = O.CustID
```

```
and O.OrdID = OD.OrdID
```

```
and OD.ProductID = P.ProductID;
```

```
Select p.ProductID, ProductName, UnitPrice,  
       QuantityOrdered, (UnitPrice * QuantityOrdered) as "ItemCost"  
From Product p, OrderDetails od  
Where od.ProductID = p.ProductID  
And od.OrdID = 20;
```

17

```
Select OrdID, sum (p.UnitPrice*od.QuantityOrdered) as "Subtotal"  
From Product p, OrderDetails od  
Where od.ProductID = p.ProductID  
Group by OrdID;
```


7