

DSW [Tutorial-6]

Q.1. 1. Select p.pname from parts p, Catalog C where
 $p.pid = C.pid$;

2. Select s.sname from Suppliers s, Parts p, Catalog C
where $s.sid = C.sid$ and $p.pid = C.pid$ and $p.color =$
'Green';

3. Select s.sid from Suppliers s, parts p, Catalog C
where $s.sid = C.sid$ and $p.pid = C.pid$ and $p.color =$
'Red' and $p.color =$ 'Green';

4. Select s.sid from Supplier s, parts p, Catalog C
where $s.sid = C.sid$ and $p.pid = C.pid$ and $p.color =$
'Red' or $s.address =$ '221 parkers street';

5. Select p.color, C.cost from Supplier s, parts p,
Catalog C where $s.sid = C.sid$ and $p.pid = C.pid$
and $s.sname =$ 'John';

6. Select p.pname, max(cost) from parts p, Catalog C
where $p.pid = C.pid$;

Q.2. 7. Select * from Workers w, Bonus B
where $s.salary$ between 10000 and 50000 and
B.Bonus between 5000 and 10000 and $w.worker_id$
 $= B.worker_ref_id$;

8. Select * from Worker from Worker w, Title t
where $t.worker_title =$ 'Manager' and
 $t.worker_ref_id = w.worker_id$;

9. Select * from Worker W1, Worker W2 where
W1.Salary = W2.Salary and W1.Worker-ID <>
W2.Worker-ID ;

10. Select W.Salary, B.Bonus Amount from Worker W,
Bonus B, Title t where W.Worker-ID = B.
Worker-Ref-ID and B.Worker-Ref-ID = t.Worker-Ref-ID
and t.Worker-Title = 'Manager';

11. Update ^{Bonus b, Worker w} ~~Worker~~ Set b.Bonus Amount = 1.1 *
Bonus Amount where W.Department = 'CSE' and
W.Worker-ID = b.Worker-Ref-ID ;

SQL Nested Queries

1. (a) Select ^{name} * from Students where gpa > All (
select avg(gpa) from Students) ;

(b) Select avg(num of students) from Classes ~~where~~
where teacher_id in (select id from
teachers where Subject in ('DSW', 'DSA')) ;

(c) Select * from Students where Class-Pd = (select
Id from classes where num of students = (
select max(num of students) from classes)) ;

(d) Select Subject, ^{max(monthly salary)} max(salary) from ~~Teachers~~
(select Subject, avg(monthly salary) from teachers
Group by Subject) ;

Date: _____ ○

Page: _____ ○

2. (a) Select name, City from (select director_id from film where Gross > 1.5 * Budget and film.director_id = Director.director_id) ;

(b) Select * from film where Budget = (select max(Budget) from film) ;

(c) Select name from (~~from~~ select director_id from film where Budget < 20⁰⁰⁰⁰⁰⁰⁰ ~~and~~ and film.director_id = Director.director_id) ;