

(Date: 10)

Transport Management System

- ① Select * from passengers where Sex = 'M' and pname in
 (Select pname from bookings where ticketno in
 (Select ticketno from booked_in where busno in
 (Select busno from bus where category = 'Super deluxe')));
- ② Select pname from bookings where ticketno in
 (Select ticketno from booked_in where busno in
 (Select busno from bus where distance in
 (Select min(distance) from bus)));
- ③ Select pname from bookings where ticketno in
 (Select ticketno from booked_in where busno in
 (Select busno from buses where deocode = 'Depos'));
- ④ Select * from ticket where ticketno in
 (Select ticketno from booked_in where busno in
 (Select busno from bus where source = 'tata' and
 distance = any (Select max(distance) from bus)));
- ⑤ Select * from passengers where Sex = 'F' and
 Pname in (Select pname from bookings where ticketno
 in (Select ticketno from ticket where bookedt =
 '15-Dec-2006'));

⑥ Select sum(fare) from ticket group by fare having fare in (select fare from ticket where ticketno in (select ticketno from booked_in where busno in (select busno from bus where source='d' and destination='Patna'))));

⑦ Select sum(fare) from ticket group by fare having fare in (select fare from ticket where ticketno in (select ticketno from booked_in where busno in (select busno from bus where depocde in (select depocde from bus where depocde='Ranchi'))));

⑧ Select * from bus where busno in (select busno from booked_in where ticketno in (select ticketno from belongs where pname in (select pname from passenger where age >= 60)));

⑨ Select belongs.pname, belongs.seatno from belongs, bus, passenger, booked_in where bus.destination='hazaribag' and bus.busno=booked_in.busno and booked_in.ticketno=belongs.ticketno and belongs.pname=passenger.pname

and passengers. Sex = 'F';

2) Select distinct passengers.age, ticket, booked, bus.destination from passengers, ticket, bookings, booked-in, bus where passengers.pname = 'pranali' and passengers.pname = bookings.pname and bookings.ticketno = ticket.ticketno and bookings.ticketno = booked-in.ticketno and booked-in.busno = bus.busno.

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Ques:-

Employee information System

① Select * from department where
dno in
(Select dno from works_in where
eno in
(Select eno from posses where
scode in
(Select scode from skill where
Skillcat = 'Radar')));

② Select e.ename, d.dname from employee e,
department d, qualification q, keeping k, works_in
w where q.degree = 'btech' and q.qcode = k.qcode
and k.eno = e.eno and e.sex = 'F' and
e.eno = w.eno and w.dno = d.dno;

③ Select employee.eno, department.dno, skill.scode,
qualification.qcode from employee, department, skill,
qualification, posses, keeping, works_in where
employee.eno = works_in.eno and works_in.dno =
department.dno and employee.eno = posses.eno
and posses.scode = skill.scode and
employee.eno = keeping.eno and keeping.qcode =
qualification.qcode and employee.dob
in
(Select dob from employee group by
dob
having
Round(to number (to char (sysdate - dob)
/ 365))

in

(select min(round(to-number(to-char(sysdate - DOB))/365)) as youngest from employee where sex = 'M');

④ select name, dname from employee e, department d, works_in w where w.dno = d.dno and w.eno = e.eno and w.ano in

(select eno from passes p, skill s where s.skillcat = 'Programmer' and p.scode = s.scode

intersect

select eno from employee where eno like 'G%'

intersect

select eno from employee where round(to-number(to-char(sysdate - DOB))/365)

in

(select max(round(to-number(to-char(sysdate - DOB))/365)) from employee where eno

in

(select eno from employee where eno like 'G%');

⑤ Select ename from employee where eno in
(Select eno from keeping K, qualification Q
where Q.degree = 'Bsc' and Q.qcode = K.qcode
intersect

Select eno from employee where sex = 'F'
and to_number(to_char(sysdate - 006)) > 40

⑥ Select ename, degree from employee E,
qualification Q, keeping K where K.qcode = Q.qcode
and E.eno = K.eno and
K.eno in

(Select eno from employee.
intersect

Select hod from department where
dname = 'Computer'

intersect

Select eno from keeping);

⑦ Select e.ename, d.dname, s.skillcat, q.degree
from employee e, department d, skills s,
qualification q, works-in w, passes p, keeping
k where E.eno = w.eno and w.eno =
d.eno and e.eno = p.eno and p.scode = s.scode
and e.eno = k.eno and k.qcode = q.qcode and
e.eno in

(Select eno from employee where
salary in

(Select min(salary) from employee));

⑧ Select e.ename, q.degree from employee e,
qualification q, keeping k where
e.eno = k.eno and k.qcode = q.qcode and
e.eno in

(Select eno from employee where
round(to-number(to-char(DOJ-DOB))/365)

in

(Select min(round(to-number(to-char
(DOJ-DOB))/365)) from employee));

⑨ Select ename from employee where
eno
in

(Select eno from keeping
group by eno
having count(eno) > 1);

10. Select $e.name$ from $employee e$, $department d$, $skill s$, $works-in w$, $posses p$ where
 $e.lno = w.lno$ and $w.dno = d.dno$ and
 $d.dname = 'admin'$ and $e.lno = p.lno$
and $p.secd = s.secd$ and $s.skillcat = 'administration'$;

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