EMPLOYEE DATABASE

Create table dept (deptno decimal (2,0) primary key, dname varchar (14) default Null , loc varchar (13) default Null);

Create table emp (empno decimal (4,0) primary key , ename varchar (10) default Null , mgr_no decimal (4,0) default Null , hiredate date default Null , Sal decimal (7,2) default Null, dept no. decimal (2,0) references dept (deptno) on delete cascade on Update cascade);

Create table incentivies (empno decimal (4,0) references emp (empno) on delete cascade on update cascade , incentive _date date , incentive _amount decimal (10,2) , primary key (empno, incentive _date);

Create table project (pno int primary key, pname varchar (30) not null , ploc varchar (30);

Create table assigned _to (empno decimal (4,0) refrences emp (empno) on delete cascade on update cascade , pno int refrences project (pno) on delete cascade on update cas-cade cade , Job_ role varchar (30) , primary key (empno, pno)) ;

INSERT INTO dept S1 VALUES
(10 , 'ACCOUNTING' , 'MUMBAI');
(20, 'Research' , 'Bengaluru');
(30, ' SALES', 'Delhi'),
(40, 'OPERATIONS' , 'Chennai');

```sql
INSERT INTO emp$VALUES
(7369, 'Adarsh', 7902, '2012-12-17', 80000.00,
(7499, 'Shruthi', 7698, '2013-02-20', 16000.00,
(7521, 'Anvitha', 7698, '2015-02-22', 12500.00,
(7566, 'Tanvir', 7839, '2008-04-02', 29750.00,
(7654, 'Ramesh', 7698, '2014-0928', 12500.00,
(7698, 'Kumar', 7839, '2015-05-01', 28500.00,
(7782, 'clark', 7839, '2017-06-09', 24500.00, 1
(7788, 'Scott', 7566, '2010-12-09', 30000.00, 20
(7839, 'King', NULL, '2009-11-17', 50000.00, 10
(7844, 'Turner', 7698, '2010-09-08', 15000.00, 30
(7876, 'Adams', 7788, '2013-01-12', 11000.00, 20
(7900, 'James', 7698, '2017-12-03', 9500.00, 30)
(7902, 'Ford', 7566, '2010-12-03', 30000.00, 2

INSERT INTO incentives$VALUES
(7499, '2019-02-01', 5000.00),
(7521, '2019-03-01', 2500.00),
(7566, '2022-02-01', 5070.00),
(7654, '2020-02-01', 2000.00),
(7654, '2022-04-01', 879.00),
(7521, '2019-02-01', 8000.00),
(7698, '2019-03-01', 500.00),
(7698, '2020-03-01', 9000.00),
(7698, '2022-04-01', 4500.00),
```

Insert into project_s1 values
(101, 'AI Project', 'Bengaluru'),
(102, 'IoT', 'Hyderabad'),
(103, 'Blockchain', 'Bengaluru'),
(104, 'Data Science', 'Mysuru'),
(105, 'Autonomous Systems', 'Pune');

Insert into assigned_to_s1 values.
(7499, 101, 'Software Engineer'),0.
(7521, 101, 'Software Architect'),
(7566, 101, 'Project Manager'),
(7654, 102, 'Sales'),
(7521, 102, 'Software Engineer'),
(7499, 102, 'Software Engineer'),
(7654, 103, 'Cyber Security'),
(7698, 104, 'Software Engineer'),
(7900, 105, 'Software Engineer')
(7839, 104, 'General Manager');
.
Select e.empno
From emp_s1 e
Join assigned_to_s1 a ON e.empno = a.$empno$
Join project_s1 p ON a.pno = p.no
where p.ploc IN ('Bengalure', 'Hyderabad', 'Mysuru')
Output:
Empno
7499
7521
7566
7499
7521

7654
7654
7698
7839

Select empno, ename

From emp -S1,

where empno NOT IN (Select empno from incentives S1);

Output:

empn	ename
7369	Adarsh
7782	Clark
7788	Scott
7839	King
7844	Turner
7876	Adams
7900	James
7902	Ford

Select
    e.empno AS employee_number,
    e.ename AS employee_name,
    d.dname AS department_name,
    a.Job_role AS Job_role,
    d.loc AS department_location,
    p.loc AS project_location
From emp_S1 e
Join dept_S1 d ON e.deptno = d.deptno
Join assigned_to_S1 a ON e.empno = a.empno
Join project_S1 p ON a.pno = p.no
where d.loc = p.ploc;

~~Describe assigned_to_S1;~~

Output

empno	decimal	employee name	dept-name	Job-role
7566	.	Tanvir	Research	Project Manager

deptment_location   project_location
   Bengalure   Bengalure

Select m.ename, count(*)
From emp e, emp m
where e.mgr-no = m.empno
Group By m.ename
Having count(*) = (Select Max(my count))
   from (select count(*) my count
   from emp
Group By mgr-no) a);

Output

ename	count
Kumar	5

Select distinct m.mgr-no from emp e, emp m
where e.mgr-no = m.mgr-no and e.dept no
= m.dept no and e.emp no in (select distinct
m.mgr-no from emp e, emp m where e.mgr-
no = m.mgr-no and e.dept no = m.dept no);

mgr-no
7566
7839

Select *
from emp e, incentives i
where e.empno = i.emp no and 2 = (select
count (*)
from incentives;
where i.incentive_amount < = j.incentive _amo

empno	ename	mgr_no	hire date	sal	dept ?
7521	Anvitha	7698	2015-02-22	1250000	30

empno	incentive_date	incentive amount
7521	2019-02-01	8000.00

Select *
from EMP E
where E.Sept no = (select E1.Sept no from Emp
E1 where E1.EPM NO = E.MGR_NO);

emp no	ename	mgr_no	hiredate	sal	deptr
7369	Adarsh	7902	2012-12-17	80,800	20
7499	Shruthi	7698	2613-02-20	16 000	30
7521	Anvitha	7698	2015-02-22	12500	30
7654	Ramesh	7698	204-09-28	12500	30
7782	CLARK	7839	2017-06-09	24500	10
7788	SLOTT	7566	2010-12-09	30000	20
7844	TURNER	7698	2010-09-08	15000	30
7876	ADAMS	7788	2013-04-12	11000	20
7900	JAMES	7698	2017-12-03	9500	30
7902	FORD	7566	2010-12-03	30000	20
NULL	NULL	NULL	NULL	NULL	NUL

Select distinct e.ename
from emp e, incentives i
where (Select max (sal + incentive -amount)
from emp, incentives >= ANY (Select emp e1
where e.deptno = c1.
deptno),

ename
Adarsh
Shruthi
Anvitha
Tanvir
Ramesh
Kumar
CLARK
SCOTT
Kings
Turner
Adams
James
FORD