Assignment 2 MySQL and MongoDB

1 Display all the information of the EMP table?

select \* from emp;

db.emp.find({ });

2 Display unique Jobs from EMP table?

select distinct(job ) from emp;

db.emp.find({},{

"distinct(job)": 1 });

3 List the emps in the asc order of their Salaries?

select \* from emp order by sal asc;

db.emporder by sal asc.find({}).sort({"sal": 1});

4 List the details of the emps in asc order of the Dptnos and desc of Jobs?

select \* from emp order by deptno asc, job desc;

db.emporder by deptno asc, job desc.find({}).sort({"deptno": -1});

5 Display all the unique job groups in the descending order?

select distinct (job) from emp order by job desc;

db.emporder by job desc.find({},{ "distinct(job)": 1}).sort({"job": -1});

6 Display all the details of all ‘Mgrs’

select \* from emp where job='manager';

db.emp.find({"job" : 'manager'});

7 List the emps who joined before 1981

select \* from emp where hiredate <('1981-1-1');

db.emp.find({"hiredate ":{ "$lt" : ('1981-1-1' }});

8 List the Empno, Ename, Sal, Daily sal of all emps in the asc order of Annsal

select empno,ename,sal, sal/30 as dailysal, sal\*12 as annsal from emp order by annsal asc;

db.emporder by annsal asc.find({ },{

"empno": 1,

"ename": 1,

"sal": 1,

"sal/30asdailysal": 1,

"sal\*12asannsal": 1

}

).sort({

"annsal": 1

});

select empno,ename,sal, sal/30 dailysal, sal\*12 annsal from emp order by annsal asc; ----(as not mand..)

9 Display the Empno, Ename, job, Hiredate, Exp of all Mgrs

select empno,ename,job,hiredate, timestampdiff(year,hiredate,curdate()) exp from emp where in(select mgr from emp);

db.emp.find({

"": {"$in": [select mgr from emp}

},{

"empno": 1,

"ename": 1,

"job": 1,

"hiredate": 1,

"timestampdiff(year": 1,

"hiredate": 1,

"curdate())exp": 1

}

);

10 List the Empno, Ename, Sal, Exp of all emps working for Mgr 7369

select empno,ename,sal,exp from emp where mgr = 7369;

db.emp.find({

"mgr " : 7369

},{

"empno": 1,

"ename": 1,

"sal": 1,

"exp": 1

}

);

11 Display all the details of the emps whose Comm Is more than their Sal

select \* from emp where comm > sal;

db.emp.find({

"$where": "this.comm > this. sal"

});

13 List the emps along with their Exp and Daily Sal is more than Rs 100

select \* from emp where (sal/30) >100;

db.emp.find({

"sal/30) ":{ "$gt" : 100 }

});

14 List the emps who are either ‘CLERK’ or ‘ANALYST’ in the Desc order

select \* from emp where job = ‘CLERK’ or job = ‘ANALYST’ order by job desc;

db.emp.find({

"$or": [{

"$where": "this.job == this. ‘CLERK’ "

},{ "$where": "this.job == this. ‘ANALYST’ "

}]

}).sort({

"job": -1

});

15 List the emps who joined on 1-MAY-81,3-DEC-81,17-DEC-81,19-JAN-80 in asc order of seniority

select \* from emp where hiredate in (’01-may-81’,’03-dec-81’,’17-dec81’,’19-jan-80’) order by hiredate asc;

db.emp.find({

"hiredate": {"$in": [’01-may-81’,’03-dec-81’,’17-dec81’,’19-jan-80’] }

}).sort({

"hiredate": 1

});

16 List the emp who are working for the Deptno 10 or20

select \* from emp where deptno = 10 or deptno = 20 ;

db.emp.find({

"$or": [{

"deptno " : 10

},{ "deptno " : 20

}]

});

17 List the emps who are joined in the year 81

select \* from emp where hiredate between ’01-jan-81’ and ’31-dec-81’;

db.emp.find({

"$and": [{

},{

}]

});

19 List the emps Who Annual sal ranging from 22000 and 45000

select \* from emp where 12\*sal between 22000 and 45000;

20 List the Enames those are having five characters in their Names

select ename from emp where length (ename) = 5;

db.emp.find({

"length (ename) " : 5

},{

"ename": 1

}

);

21 List the Enames those are starting with ‘S’ and with five characters

select ename from emp where ename like ‘S%’ and length (ename) = 5;

db.emp.find({

"$and": [{

"$where": "this.ename == this. ‘S%’ "

},{ " length (ename) " : 5

}]

},{

"ename": 1

}

);

22 List the emps those are having four chars and third character must be ‘r’

select \* from emp where length(ename) = 4 and ename like ‘\_\_R%’;

db.emp.find({

"$and": [{

"length(ename) " : 4

},{ "$where": "this. ename == this. ‘\_\_R%’"

}]

});

23 List the Five character names starting with ‘S’ and ending with ‘H’

select \* from emp where length(ename) = 5 and ename like ‘S%H’;

db.emp.find({

"$and": [{

"length(ename) " : 5

},{ "$where": "this. ename == this. ‘S%H’"

}]

});

24 List the emps who joined in January

select \* from emp where to\_char (hiredate,’mon’) = ‘jan’;

db.emp.find({

"$where": "this.to\_char (hiredate,’mon’) == this. ‘jan’"

});

27 List the emps whose names having a character set ‘ll’ together

select \* from emp where ename like ‘%LL%’;

db.emp.find({

"$where": "this.ename == this. ‘%LL%’"

});

29 List the emps who does not belong to Deptno 20

select \* from emp where deptno != 20;

db.emp.find({

"deptno " : { "$ne": 20}

});

30 List all the emps except ‘PRESIDENT’ & ‘MGR” in asc order of Salaries

Select \* from emp where job not in (‘PRESIDENT’,’MANAGER’) order by sal asc;

db.emp.find({

"jobnot ": {"$in": [‘PRESIDENT’,’MANAGER’] }

}).sort({

"sal": 1

});

31 List the emps whose Empno not starting with digit78

select \* from emp where empno not like ‘78%’;

db.emp.find({

"empno not " : ‘78%’

});

33 List the emps who are working under ‘MGR’

select e.ename || ‘ works for ‘ || m.ename from emp e ,emp m where e.mgr =m.empno ;

db.empe ,emp m .find({

"$where": "this.e.mgr == this.m.empno "

},{

"e.ename||‘worksfor‘||m.ename": 1

}

);

34 List the emps who joined in any year but not belongs to the month of March

select \* from emp where to\_char (hiredate,’MON’) not in (‘MAR’);

db.emp.find({

"to\_char(hiredate,’MON’) not ": {"$in": [‘MAR’}

});

35 List all the Clerks of Deptno 20

select \* from emp where job =‘CLERK’ and deptno = 20;

db.emp.find({

"$and": [{

"$where": "this.job == this.‘CLERK’ "

},{ " deptno " : 20

}]

});

36 List the emps of Deptno 30 or 10 joined in the year 1981

select \* from emp where to\_char (hiredate,’YYYY’) in (‘1981’) and (deptno = 30 or deptno =10 ) ;

db.emp.find({

"$and": [{

"to\_char(hiredate,’YYYY’) ": {"$in": [‘1981’] }

},{

"$or": [{

"deptno " : 30

},{ "deptno " : 10 )

}]

}]

});

37 Display the details of SMITH

select \*from emp where ename='smith';

db.emp.find({

"ename" : 'smith'

});

38 Display the location of SMITH

select loc from emp e , dept d where e.ename = ‘SMITH’ and e.deptno =d.deptno ;

db.empe , dept d .find({

"$and": [{

"$where": "this.e.ename == this. ‘SMITH’ "

},{ "$where": "this. e.deptno == this.d.deptno "

}]

},{

"loc": 1

}

);