----------------------------------MONGODB ASSIGNMENT--

1. Display all the information of the EMP table?

Ans.db.emp.find({

});

2. Display unique Jobs from EMP table?

Ans.db..group({

"key":{

        "job": true

  },

   "initial": {

},

   "reduce": function(obj , prev){

},

   "finalize": function(prev){

   },

   "cond": {

    }

});

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

Ans.db.emporder by sal.find({

}).sort({

 "sal": 1

});

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

Ans.db.emp.find({

}).sort({

 "deptno": 1,job:-1

});

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

Ans.db.emp ORDER BY job_name DESC.find({

```
},{

  "DISTINCTjob_name": 1

}

).sort({

 "job_name": -1

});
```

6. Display all the details of all 'Mgrs'

```
Ans.db.emp.find({

 "job" : 'manager'

});
```

7. List the emps who joined before 1981

```
Ans.db.emp.find({

 "year(hiredate)":{ "$lt" : '1981' }

});
```

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

```
Ans.db.emporder by sal.find({

},{

  "Empno": 1,

  "Ename": 1,

  "Sal": 1,

  "sal/30asDailysal": 1

}

).sort({

 "sal": 1

});
```

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

```
 Ans.db.emp.find({

"job" : 'manager'

},{

  "Empno": 1,

  "Ename": 1,
```

```
    "job": 1,

    "Hiredate": 1,

    "YEAR(CURDATE())-YEAR(hiredate)asExp": 1

}

);
```

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

```
Ans.db.emp.find({

 "mgr" : 7369

},{

    "Empno": 1,

    "Ename": 1,

    "Sal": 1,

    "YEAR(CURDATE())-YEAR(hiredate)asExp": 1

}

);
```

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

```
Ans.db.emp.find({

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

});
```

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

```
Ans.db.emp.find({

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

},{

    "*": 1,

    "YEAR(CURDATE())-YEAR(hiredate)asExp": 1,

    "sal/30asdailysal": 1

}

);
```

13.List the emps who are either 'CLERK' or 'ANALYST' in the Desc order

```
Ans.db.emp.find({

 "$or": [{

    "job" : 'clerk'
```

```
  },{ "job" : 'analyst'
    }]
}).sort({
"job": -1
});
```

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

```
Ans.db.EMP .find({
"HIREDATE": {"$in": ['1981-01-05','1981-12-03','1981-12-17','1980-01-03']  }
},{
  "*": 1,
  "YEAR(CURDATE())-YEAR(hiredate)asExp": 1
}
).sort({
 "exp": 1
});
```

15.List the emp who are working for the Deptno 10 or20

```
Ans.db.emp.find({
  "$or": [{
   "deptno" : 10
},{ "deptno" : 20
  }]
});
```

16.List the emps who are joined in the year 81

```
Ans.db.emp.find({
"year(hiredate)" : '1981'
});
```

18.List the emps Who Annual sal ranging from 22000 and 45000

```
Ans.db.emp.find({
  "$and": [{
  },{
  }]
},{
```

```
  "*": 1,
  "sal*12asAnnualsalary": 1
}
);
```

19.List the Enames those are having five characters in their Names

```
Ans.db.emp.find({
"ename " : '_____'
});
```

20.List the Enames those are starting with 'S' and with five characters

```
db.emp.find({
"ename " : 'S____'
});
```

21.List the emps those are having four chars and third character must be 'r'

```
Ans.db.emp.find({
"ename " : '__r_'
});
```

22.List the Five character names starting with 'S' and ending with 'H'

```
Ans.db.emp.find({
"ename " : 's___h'
});
```

23.List the emps who joined in January

```
Ans.db.emp.find({
"month(hiredate)" : '01'
});
```

24.List the emps whose names having a character set 'll' together

```
Ans.db.emp.find({
"ename " :  '%ll%'
});
```

24.List the emps who does not belong to Deptno 20

```
Ans.db.emp.find({
"deptno <":{ "$gt" :  20 }
});
```

25.List all the emps except 'PRESIDENT' & 'MGR" in asc order of Salaries

Ans.db.emp.find({

  "$and": [{

  "job <":{ "$gt" : 'PRESIDENT' }

},{ " job <":{ "$gt" : 'manager' }

  }]

}).sort({

 "sal": 1

});

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

Ans.db.emp.find({

 "month(hiredate)<":{ "$gt" : '03' }

});

27.List all the Clerks of Deptno 20

Ans.db.emp.find({

  "$and": [{

  "job" : 'clerk'

},{ " deptno" : 20

  }]

});

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

Ans.db.emp.find({

  "$or": [{

  "deptno " : 30

},{

  "$and": [{

  "deptno" : 10

},{ " month(hiredate)" : '1981'

  }]

  }]

29. Display the details of SMITH

Ans.db.emp.find({

```
 "ename" : 'smith'

});
```