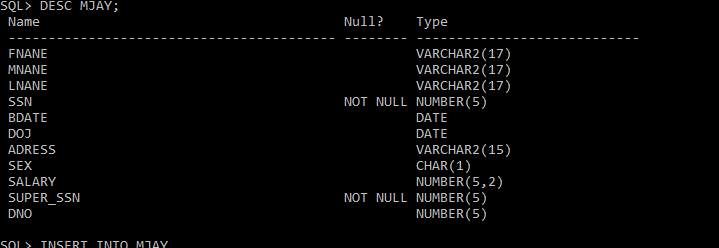
**NAME : MIRTUNJAY KUMAR**

**REG NO:16BCE1179**

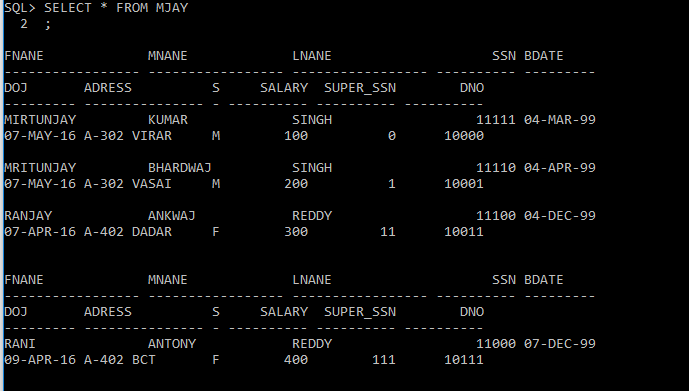
**PROF:VISHNU PRIYA**

**TOPIC :FUNCTION**

**CREATING TABLE FIRST AND INSERTING VALUES IN IT:**



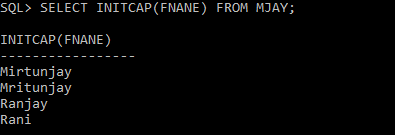
**VALUES INSERTED:**



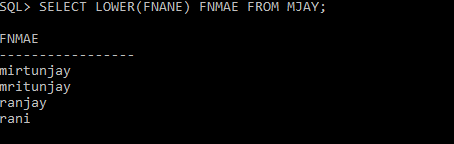
**Built in functions, order by, group by and logical functions**

**Character functions**

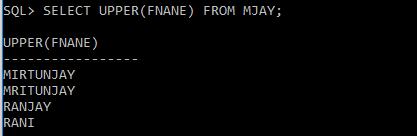
Sql> select initcap(‘xyz’) from MJAY;



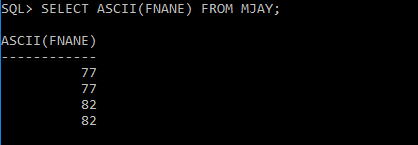
Sql> select lower(‘XYZ’) from MJAY;



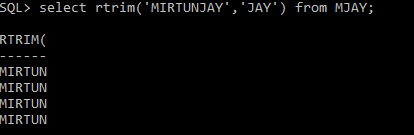
Sql> select upper(‘xyz’) from MJAY;



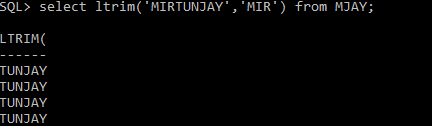
Sql> select ascii(‘a’) from MJAY;



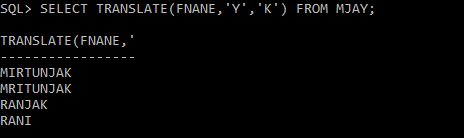
Sql> select rtrim(‘MIRTUNJAY’,’JAY’) from MJAY;



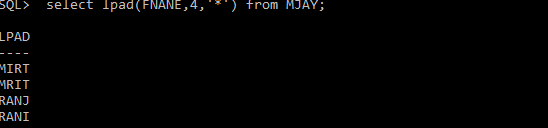
Sql> select ltrim(‘MIRTUNJAY’,’MIR’) from MJAY;



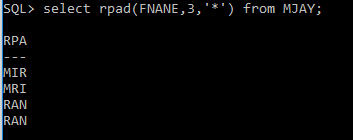
Sql> select translate(FNANE,’Y’,’K’) from MJAY;



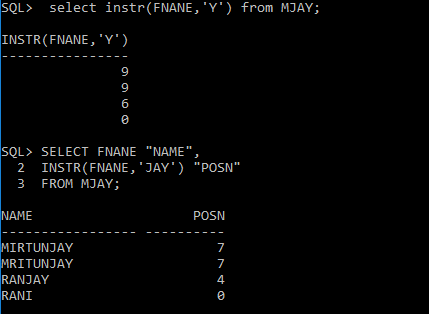
Sql> select lpad(FNANE,4,’\*’) from MJAY;



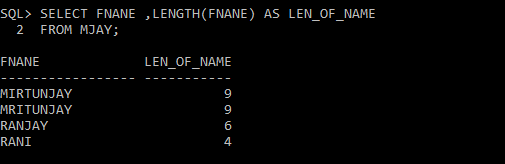
Sql> select rpad(FNANE,3,’\*’) from MJAY;



Sql> select instr(FNANE,’Y’) from MJAY;

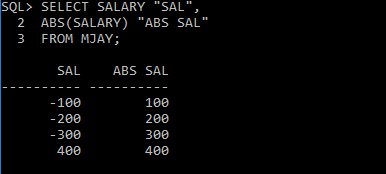


Sql> select FNANE,LENGTH(FNANE) AS LEN from MJAY;

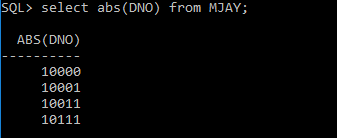


**Numeric functions**

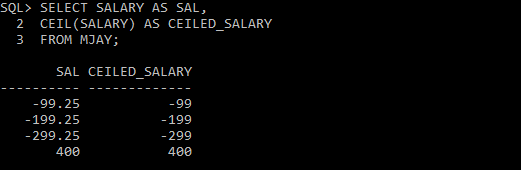
Sql>; select abs(SALARY) from MJAY



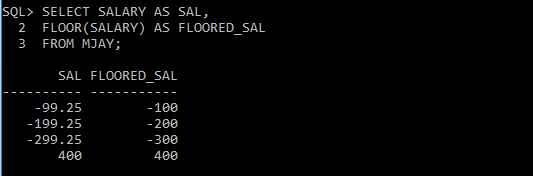
Sql> select abs(DNO) from MJAY;



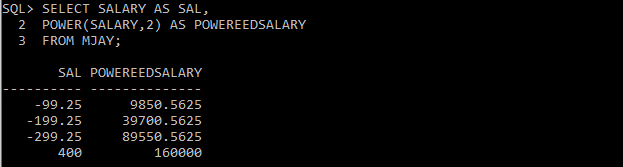
Sql> select ceil(SALARY) from MJAY;



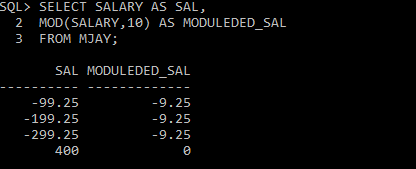
Sql> select floor(SALARY) from MJAY;



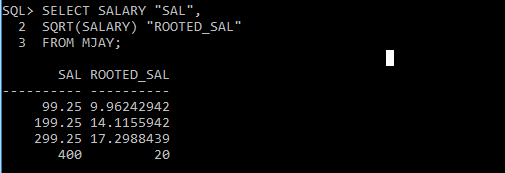
Sql> select power(SALARY,2) from MJAY;



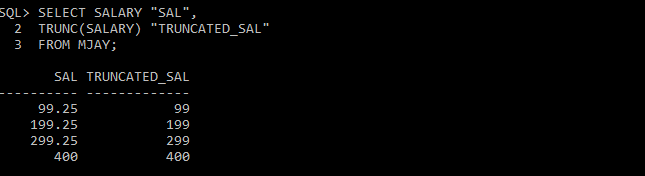
Sql> Select mod(10,3) from MJAY;



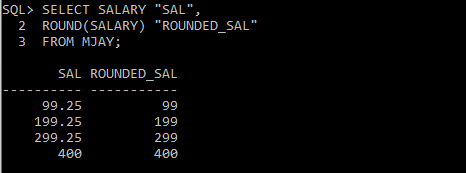
Sql> select sqrt(25) from MJAY;



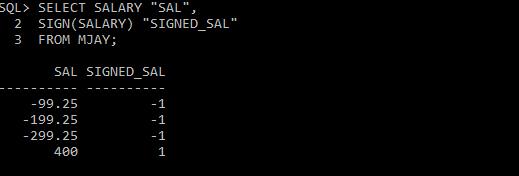
Sql> select trunc(100.43) from MJAY;



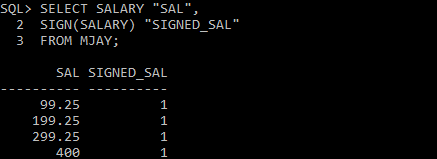
Sql> select round(SALARY) from MJAY;



Sql> Select sign(-34) from MJAY;

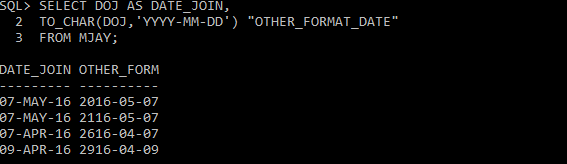


Sql> Select sign(34) from MJAY;

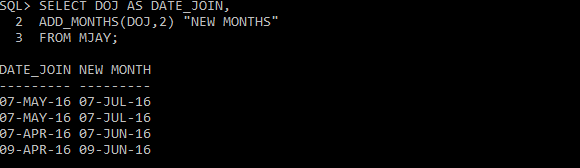


**Date functions**

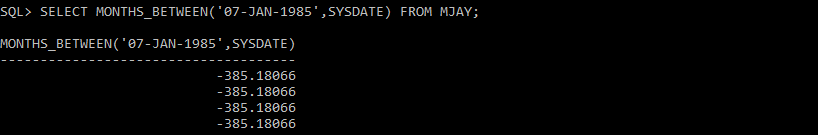
Sql> select to\_char(DOJ,’dd-mm-yyyy’) from MJAY;

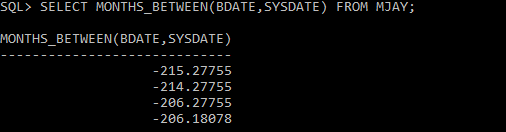


Sql> select add\_months(sysdate,9) from MJAY;

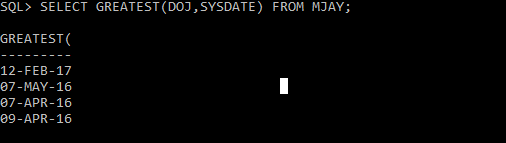


Sql> select months\_between(’07-aug-05’,sysdate) from MJAY;

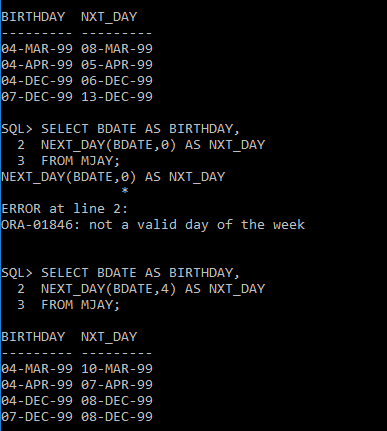




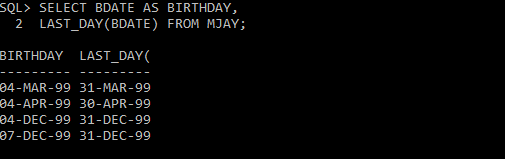
Sql> select greatest(’17-jun-00’,sysdate) from MJAY;



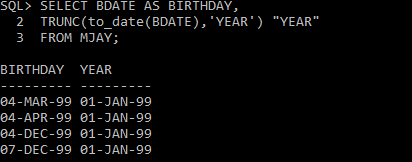
Sql> select next\_day(’03-jun-08’,’wed’) from MJAY;



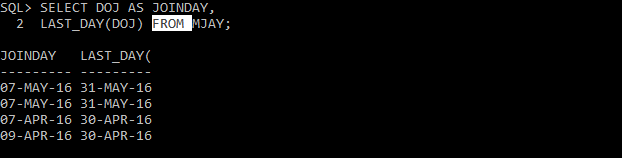
Sql> Select last\_day(sysdate) from MJAY;



Sql> select trunc(to\_date(‘03-jun-08’),’year’) from MJAY;



Sql> select last\_day(sysdate) from MJAY;



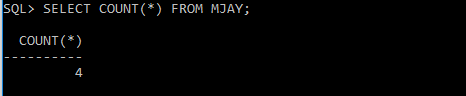
**Group by functions:**

1. Count
2. avg
3. max/min
4. sum

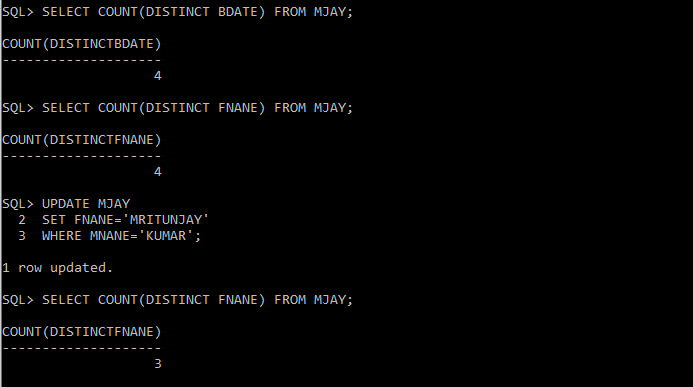
**SYNTAX**

**Count: TO COUNT NO OF RECORDS**

Sql> select count(\*) from tablename;

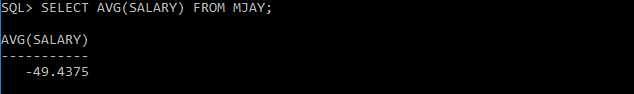


Sql> select count(distinct columnname) from table name



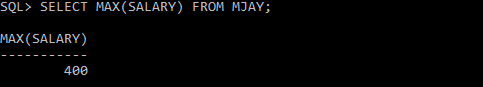
**AVG: TO FIND AVERAGE VALUE FROM THAT COLUMN**

Sql> select avg(columnname)from tablename;

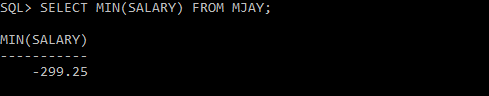


**MAX/MIN VALUE FROM THAT COLUMN:**

Sql> select max(columnname)from tablename

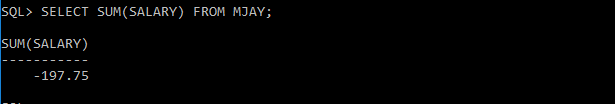


Sql> select min(columnname)from tablename



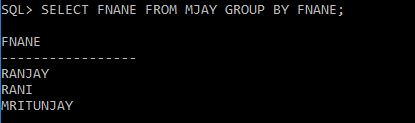
**SUM: SUM OF ALL VALUES FROM THAT COLUMN**

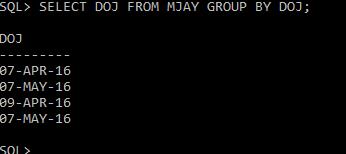
Sql> select SUM(column name) from tablename



**Group by Clause:**

Sql> select columnname from tablename groupby columnname



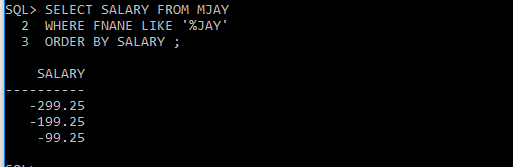


**Order by functions:**

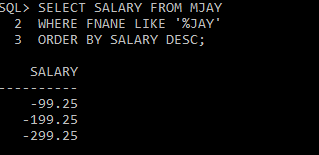
**1.ASC (ASCENDING ORDER)**

**2.DESC (DESCENDING ORDER)**

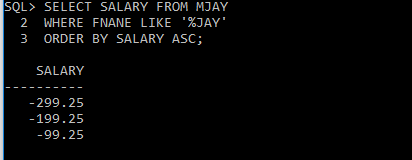
Sql> select columnname from tablename where condition orderby columnname



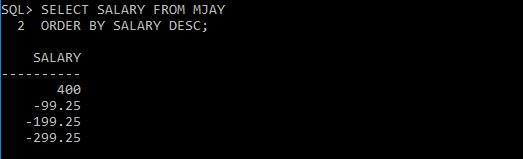
Sql> select columnname from tablename where condition orderby desc,columnname



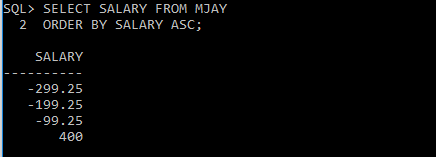
Sql> select columnname from tablename where condition orderby asc,columnname



Sql>select colname from tablename order by colunmname desc;



Sql>select colname from tablename order by colunmname asc;

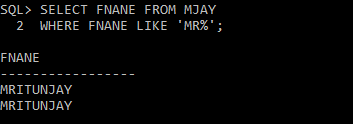


**LOGICAL FUNCTIONS**:

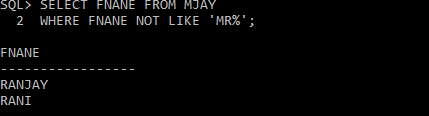
1. ALL RELATIONAL OPERATORS (<,>,=,<>)
2. LIKE,NOT LIKE,IS NULL, IS NOT NULL,IN, NOT IN,BETWEEN,NOT BETWEEN

SYNTAX:

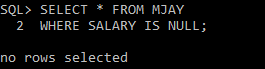
sql> select colname from tablename where colname like(‘mo%’)



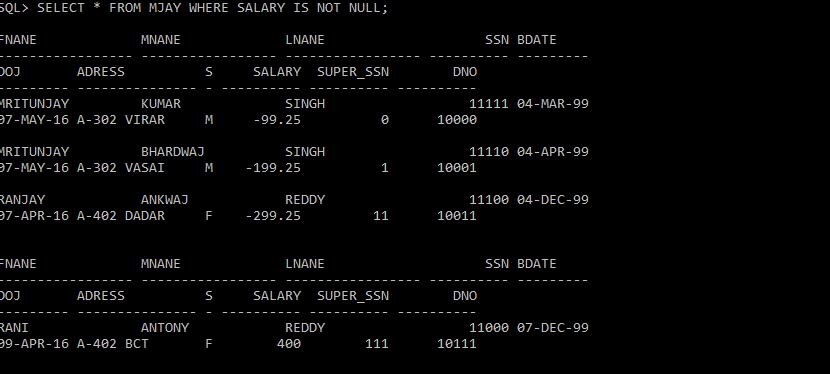
sql> select colname from tablename where colname not like(‘mo%’)



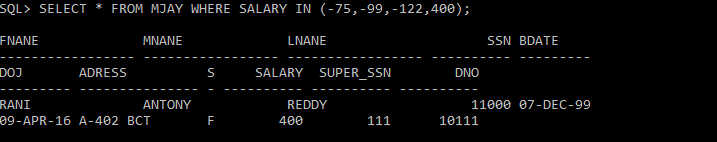
sql>select \*from tablename wherer columnname is null



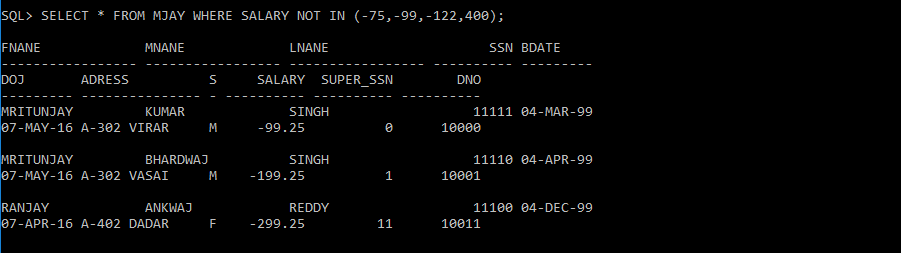
sql>select \*from tablename where columnname is not null



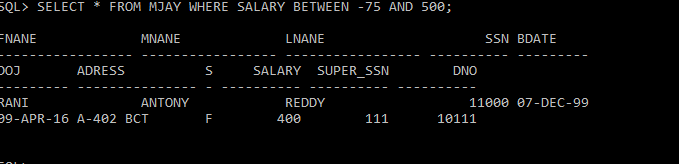
sql>select \*from tablename where columnname in( value1,value2,..valuen.)



sql>select \*from tablename where columnname not in( value1,value2,..valueN.)



sql>select \*from tablename where columnname between(value1and value2)



sql>select \*from tablename where columnname not between(value1 and value2)

