CREATE TABLE DEPARTMENTS

(DEPARTMENT\_ID varchar(40) primary key,

DEPARTMENT\_NAME VARCHAR(30),

MANAGER\_ID varchar(60),

LOCATION\_ID varchar(40)

);

drop table departments;

select first\_name from emp\_new where hire\_date = '2007-12-07';

select \* from departments;

Insert into DEPARTMENTS (DEPARTMENT\_ID,DEPARTMENT\_NAME,MANAGER\_ID,LOCATION\_ID) values (10,'Administration',200,1700),

(20,'Marketing',201,1800),

(30,'Purchasing',114,1700);

Insert into DEPARTMENTS (DEPARTMENT\_ID,DEPARTMENT\_NAME,MANAGER\_ID,LOCATION\_ID) values

(40,'Human Resources',203,2400),

(50,'Shipping',121,1500),

(60,'IT',103,1400),

(70,'Public Relations',204,2700),

(80,'Sales',145,2500),

(90,'Executive',100,1700),

(100,'Finance',108,1700),

(110,'Accounting',205,1700),

(120,'Treasury',null,1700),

(130,'Corporate Tax',null,1700),

(140,'Control And Credit',null,1700),

(150,'Shareholder Services',null,1700),

(160,'Benefits',null,1700),

(170,'Manufacturing',null,1700),

(180,'Construction',null,1700),

(190,'Contracting',null,1700),

(200,'Operations',null,1700),

(220,'NOC',null,1700),

(230,'IT Helpdesk',null,1700),

(240,'Government Sales',null,1700),

(250,'Retail Sales',null,1700),

(260,'Recruiting',null,1700),

(270,'Payroll',null,1700);

CREATE TABLE EMP\_new

( EMPLOYEE\_ID varchar(30) primary key,

FIRST\_NAME VARCHAR(50),

LAST\_NAME VARCHAR(50),

EMAIL VARCHAR (25),

PHONE\_NUMBER VARCHAR(20),

HIRE\_DATE DATE,

JOB\_ID VARCHAR(10),

SALARY varchar(80),

cOMMISSION\_PCT varchar(20),

MANAGER\_Id varchar(60),

mgr\_grade varchar(60),foreign key(mgr\_grade) references sal\_grade(grade),

DEPARTMENT\_ID varchar(40),foreign key(department\_id) references departments(department\_id)

);

alter table emp\_new modify column employee\_id numeric;

alter table emp\_new modify column manager\_id numeric;

alter table departments modify column department\_id numeric;

Insert into EMP\_new(EMPLOYEE\_ID,FIRST\_NAME,LAST\_NAME,EMAIL,PHONE\_NUMBER,HIRE\_DATE,JOB\_ID,SALARY,COMMISSION\_PCT,MANAGER\_Id,MGR\_grade,DEPARTMENT\_ID) values (100,'Steven','King','SKING',51567,'17-06-03','AD\_PRES',24000,null,null,'A',90);

Insert into EMP\_new(EMPLOYEE\_ID,FIRST\_NAME,LAST\_NAME,EMAIL,PHONE\_NUMBER,HIRE\_DATE,JOB\_ID,SALARY,COMMISSION\_PCT,MANAGER\_Id,MGR\_grade,DEPARTMENT\_ID) values (101,'Neena','Kochhar','NKOCHHAR','515.123.4568','21-09-05','AD\_VP',17000,null,100,'B',90);

Insert into EMP\_new values(102,'Lex','De Haan','LDEHAAN','515.123.4569','13-01-01','AD\_VP',17000,null,100,'B',90);

Insert into EMP\_new values(103,'Alexander','Hunold','AHUNOLD','590.423.4567','03-01-06','IT\_PROG',9000,null,102,'C',60);

Insert into EMP\_new values(104,'Bruce','Ernst','BERNST','590.423.4568','21-05-07','IT\_PROG',6000,null,103,'C',60);

Insert into EMP\_new values(105,'David','Austin','DAUSTIN','590.423.4569','25-06-05','IT\_PROG',4800,null,103,'D',60);

Insert into EMP\_new values(106,'Valli','Pataballa','VPATABAL','590.423.4560','05-02-06','IT\_PROG',4800,null,103,'D',60);

Insert into EMP\_new values(107,'Diana','Lorentz','DLORENTZ','590.423.5567','07-02-07','IT\_PROG',4200,null,103,'D',60);

Insert into EMP\_new values(108,'Nancy','Greenberg','NGREENBE','515.124.4569','17-08-02','FI\_MGR',12008,null,101,'B',100);

Insert into EMP\_new values(109,'Daniel','Faviet','DFAVIET','515.124.4169','16-08-02','FI\_ACCOUNT',9000,null,108,'C',100);

Insert into EMP\_new values(110,'John','Chen','JCHEN','515.124.4269','28-09-05','FI\_ACCOUNT',8200,null,108,'C',100);

Insert into EMP\_new values(111,'Ismael','Sciarra','ISCIARRA','515.124.4369','30-09-05','FI\_ACCOUNT',7700,null,108,'C',100);

Insert into EMP\_new values(112,'Jose Manuel','Urman','JMURMAN','515.124.4469','07-03-06','FI\_ACCOUNT',7800,null,108,'C',100);

Insert into EMP\_new values(113,'Luis','Popp','LPOPP','515.124.4567','07-12-07','FI\_ACCOUNT',6900,null,108,'C',100);

Insert into EMP\_new values(114,'Den','Raphaely','DRAPHEAL','515.127.4561','07-12-02','PU\_MAN',11000,null,100,'B',30);

Insert into EMP\_new values(115,'Alexander','Khoo','AKHOO','515.127.4562','18-05-03','PU\_CLERK',3100,null,114,'D',30);

Insert into EMP\_new values(116,'Shelli','Baida','SBAIDA','515.127.4563','24-12-05','PU\_CLERK',2900,null,114,'D',30);

Insert into EMP\_new values(117,'Sigal','Tobias','STOBIAS','515.127.4564','24-07-05','PU\_CLERK',2800,null,114,'D',30);

Insert into EMP\_new values(118,'Guy','Himuro','GHIMURO','515.127.4565','15-11-06','PU\_CLERK',2600,null,114,'D',30);

Insert into EMP\_new values(119,'Karen','Colmenares','KCOLMENA','515.127.4566','10-08-07','PU\_CLERK',2500,null,114,'D',30);

Insert into EMP\_new values(120,'Matthew','Weiss','MWEISS','650.123.1234','18-07-04','ST\_MAN',8000,null,100,'C',50);

Insert into EMP\_new values(121,'Adam','Fripp','AFRIPP','650.123.2234','10-04-05','ST\_MAN',8200,null,100,'C',50);

Insert into EMP\_new values(122,'Payam','Kaufling','PKAUFLIN','650.123.3234','01-05-03','ST\_MAN',7900,null,100,'C',50);

Insert into EMP\_new values(123,'Shanta','Vollman','SVOLLMAN','650.123.4234','10-10-05','ST\_MAN',6500,null,100,'C',50);

Insert into EMP\_new values(124,'Kevin','Mourgos','KMOURGOS','650.123.5234','16-11-07','ST\_MAN',5800,null,100,'C',50);

Insert into EMP\_new values(125,'Julia','Nayer','JNAYER','650.124.1214','16-07-05','ST\_CLERK',3200,null,120,'D',50);

Insert into EMP\_new values(126,'Irene','Mikkilineni','IMIKKILI','650.124.1224','28-09-06','ST\_CLERK',2700,null,120,'D',50);

Insert into EMP\_new values(127,'James','Landry','JLANDRY','650.124.1334','14-01-07','ST\_CLERK',2400,null,120,'D',50);

Insert into EMP\_new values(128,'Steven','Markle','SMARKLE','650.124.1434','08-03-08','ST\_CLERK',2200,null,120,'D',50);

Insert into EMP\_new values (129,'Laura','Bissot','LBISSOT','650.124.5234','20-08-05','ST\_CLERK',3300,null,121,'D',50);

Insert into EMP\_new values(130,'Mozhe','Atkinson','MATKINSO','650.124.6234','30-10-05','ST\_CLERK',2800,null,121,'D',50);

Insert into EMP\_new values (131,'James','Marlow','JAMRLOW','650.124.7234','16-02-05','ST\_CLERK',2500,null,121,'D',50);

Insert into EMP\_new values (132,'TJ','Olson','TJOLSON','650.124.8234','10-04-07','ST\_CLERK',2100,null,121,'D',50);

Insert into EMP\_new values(133,'Jason','Mallin','JMALLIN','650.127.1934','14-06-04','ST\_CLERK',3300,null,122,'D',50);

Insert into EMP\_new values(134,'Michael','Rogers','MROGERS','650.127.1834','26-08-06','ST\_CLERK',2900,null,122,'D',50);

Insert into EMP\_new values(135,'Ki','Gee','KGEE','650.127.1734','12-12-07','ST\_CLERK',2400,null,122,'D',50);

Insert into EMP\_new values(136,'Hazel','Philtanker','HPHILTAN','650.127.1634','06-02-08','ST\_CLERK',2200,null,122,'D',50);

Insert into EMP\_new values(137,'Renske','Ladwig','RLADWIG','650.121.1234','14-07-03','ST\_CLERK',3600,null,123,'D',50);

Insert into EMP\_new values(138,'Stephen','Stiles','SSTILES','650.121.2034','26-10-05','ST\_CLERK',3200,null,123,'D',50);

Insert into EMP\_new values(139,'John','Seo','JSEO','650.121.2019','12-02-06','ST\_CLERK',2700,null,123,'D',50);

Insert into EMP\_new values (140,'Joshua','Patel','JPATEL','650.121.1834','06-04-06','ST\_CLERK',2500,null,123,'D',50);

Insert into EMP\_new values(141,'Trenna','Rajs','TRAJS','650.121.8009','17-10-03','ST\_CLERK',3500,null,124,'D',50);

Insert into EMP\_new values(142,'Curtis','Davies','CDAVIES','650.121.2994','29-01-05','ST\_CLERK',3100,null,124,'D',50);

Insert into EMP\_new values(143,'Randall','Matos','RMATOS','650.121.2874','15-03-06','ST\_CLERK',2600,null,124,'D',50);

Insert into EMP\_new values(144,'Peter','Vargas','PVARGAS','650.121.2004','09-07-06','ST\_CLERK',2500,null,124,'D',50);

Insert into EMP\_new values(145,'John','Russell','JRUSSEL','011.44.1344.429268','01-10-04','SA\_MAN',14000,0.4,100,'B',80);

Insert into EMP\_new values(146,'Karen','Partners','KPARTNER','011.44.1344.467268','05-01-05','SA\_MAN',13500,0.3,100,'B',80);

Insert into EMP\_new values(147,'Alberto','Errazuriz','AERRAZUR','011.44.1344.429278','10-03-05','SA\_MAN',12000,0.3,100,'B',80);

Insert into EMP\_new values(148,'Gerald','Cambrault','GCAMBRAU','011.44.1344.619268','15-10-07','SA\_MAN',11000,0.3,100,'B',80);

Insert into EMP\_new values(149,'Eleni','Zlotkey','EZLOTKEY','011.44.1344.429018','29-01-08','SA\_MAN',10500,0.2,100,'B',80);

Insert into EMP\_new values (150,'Peter','Tucker','PTUCKER','011.44.1344.129268','30-01-05','SA\_REP',10000,0.3,145,'B',80);

Insert into EMP\_new values(151,'David','Bernstein','DBERNSTE','011.44.1344.345268','24-03-05','SA\_REP',9500,0.25,145,'C',80);

Insert into EMP\_new values (152,'Peter','Hall','PHALL','011.44.1344.478968','20-08-05','SA\_REP',9000,0.25,145,'C',80);

Insert into EMP\_new values (153,'Christopher','Olsen','COLSEN','011.44.1344.498718','30-03-06','SA\_REP',8000,0.2,145,'C',80);

Insert into EMP\_new values(154,'Nanette','Cambrault','NCAMBRAU','011.44.1344.987668','09-12-06','SA\_REP',7500,0.2,145,'C',80);

Insert into EMP\_new values(155,'Oliver','Tuvault','OTUVAULT','011.44.1344.486508','23-11-07','SA\_REP',7000,0.15,145,'C',80);

Insert into EMP\_new values (156,'Janette','King','JKING','011.44.1345.429268','30-01-04','SA\_REP',10000,0.35,146,'B',80);

Insert into EMP\_new values (157,'Patrick','Sully','PSULLY','011.44.1345.929268','04-03-04','SA\_REP',9500,0.35,146,'C',80);

Insert into EMP\_new values(158,'Allan','McEwen','AMCEWEN','011.44.1345.829268','01-08-04','SA\_REP',9000,0.35,146,'C',80);

Insert into EMP\_new values(159,'Lindsey','Smith','LSMITH','011.44.1345.729268','10-03-05','SA\_REP',8000,0.3,146,'C',80);

Insert into EMP\_new values(160,'Louise','Doran','LDORAN','011.44.1345.629268','15-12-05','SA\_REP',7500,0.3,146,'C',80);

Insert into EMP\_new values(161,'Sarath','Sewall','SSEWALL','011.44.1345.529268','03-11-06','SA\_REP',7000,0.25,146,'C',80);

Insert into EMP\_new values (162,'Clara','Vishney','CVISHNEY','011.44.1346.129268','11-11-05','SA\_REP',10500,0.25,147,'B',80);

Insert into EMP\_new values (163,'Danielle','Greene','DGREENE','011.44.1346.229268','19-03-07','SA\_REP',9500,0.15,147,'C',80);

Insert into EMP\_new values (164,'Mattea','Marvins','MMARVINS','011.44.1346.329268','24-01-08','SA\_REP',7200,0.1,147,'C',80);

Insert into EMP\_new values (165,'David','Lee','DLEE','011.44.1346.529268','23-02-08','SA\_REP',6800,0.1,147,'C',80);

Insert into EMP\_new values (166,'Sundar','Ande','SANDE','011.44.1346.629268','24-03-08','SA\_REP',6400,0.1,147,'C',80);

Insert into EMP\_new values (167,'Amit','Banda','ABANDA','011.44.1346.729268','21-04-08','SA\_REP',6200,0.1,147,'C',80);

Insert into EMP\_new values(168,'Lisa','Ozer','LOZER','011.44.1343.929268','11-03-05','SA\_REP',11500,0.25,148,'B',80);

Insert into EMP\_new values(169,'Harrison','Bloom','HBLOOM','011.44.1343.829268','23-03-06','SA\_REP',10000,0.2,148,'B',80);

Insert into EMP\_new values(170,'Tayler','Fox','TFOX','011.44.1343.729268','24-01-06','SA\_REP',9600,0.2,148,'C',80);

Insert into EMP\_new values (171,'William','Smith','WSMITH','011.44.1343.629268','23-02-07','SA\_REP',7400,0.15,148,'C',80);

Insert into EMP\_new values(172,'Elizabeth','Bates','EBATES','011.44.1343.529268','24-03-07','SA\_REP',7300,0.15,148,'C',80);

Insert into EMP\_new values(173,'Sundita','Kumar','SKUMAR','011.44.1343.329268','21-04-08','SA\_REP',6100,0.1,148,'C',80);

Insert into EMP\_new values (174,'Ellen','Abel','EABEL','011.44.1644.429267','11-05-04','SA\_REP',11000,0.3,149,'B',80);

Insert into EMP\_new values(175,'Alyssa','Hutton','AHUTTON','011.44.1644.429266','19-03-05','SA\_REP',8800,0.25,149,'C',80);

Insert into EMP\_new values (176,'Jonathon','Taylor','JTAYLOR','011.44.1644.429265','24-03-06','SA\_REP',8600,0.2,149,'C',80);

Insert into EMP\_new values(177,'Jack','Livingston','JLIVINGS','011.44.1644.429264','23-04-06','SA\_REP',8400,0.2,149,'C',80);

Insert into EMP\_new values(178,'Kimberely','Grant','KGRANT','011.44.1644.429263','24-05-07','SA\_REP',7000,0.15,149,'C',null);

Insert into EMP\_new values(179,'Charles','Johnson','CJOHNSON','011.44.1644.429262','04-01-08','SA\_REP',6200,0.1,149,'C',80);

Insert into EMP\_new values (180,'Winston','Taylor','WTAYLOR','650.507.9876','24-01-06','SH\_CLERK',3200,null,120,'D',50);

Insert into EMP\_new values(181,'Jean','Fleaur','JFLEAUR','650.507.9877','23-02-06','SH\_CLERK',3100,null,120,'D',50);

Insert into EMP\_new values(182,'Martha','Sullivan','MSULLIVA','650.507.9878','21-06-07','SH\_CLERK',2500,null,120,'D',50);

Insert into EMP\_new values (183,'Girard','Geoni','GGEONI','650.507.9879','03-02-08','SH\_CLERK',2800,null,120,'D',50);

Insert into EMP\_new values(184,'Nandita','Sarchand','NSARCHAN','650.509.1876','27-01-04','SH\_CLERK',4200,null,121,'D',50);

Insert into EMP\_new values(185,'Alexis','Bull','ABULL','650.509.2876','20-02-05','SH\_CLERK',4100,null,121,'D',50);

Insert into EMP\_new values(186,'Julia','Dellinger','JDELLING','650.509.3876','24-06-06','SH\_CLERK',3400,null,121,'D',50);

Insert into EMP\_new values(187,'Anthony','Cabrio','ACABRIO','650.509.4876','07-02-07','SH\_CLERK',3000,null,121,'D',50);

Insert into EMP\_new values(188,'Kelly','Chung','KCHUNG','650.505.1876','14-06-05','SH\_CLERK',3800,null,122,'D',50);

Insert into EMP\_new values (189,'Jennifer','Dilly','JDILLY','650.505.2876','13-08-05','SH\_CLERK',3600,null,122,'D',50);

Insert into EMP\_new values(190,'Timothy','Gates','TGATES','650.505.3876','11-07-06','SH\_CLERK',2900,null,122,'D',50);

Insert into EMP\_new values(191,'Randall','Perkins','RPERKINS','650.505.4876','19-12-07','SH\_CLERK',2500,null,122,'D',50);

Insert into EMP\_new values (192,'Sarah','Bell','SBELL','650.501.1876','04-02-04','SH\_CLERK',4000,null,123,'D',50);

Insert into EMP\_new values (193,'Britney','Everett','BEVERETT','650.501.2876','03-03-05','SH\_CLERK',3900,null,123,'D',50);

Insert into EMP\_new values(194,'Samuel','McCain','SMCCAIN','650.501.3876','01-07-06','SH\_CLERK',3200,null,123,'D',50);

Insert into EMP\_new values(195,'Vance','Jones','VJONES','650.501.4876','17-03-07','SH\_CLERK',2800,null,123,'D',50);

Insert into EMP\_new values(196,'Alana','Walsh','AWALSH','650.507.9811','24-04-06','SH\_CLERK',3100,null,124,'D',50);

Insert into EMP\_new values (197,'Kevin','Feeney','KFEENEY','650.507.9822','23-05-06','SH\_CLERK',3000,null,124,'D',50);

Insert into EMP\_new values(198,'Donald','OConnell','DOCONNEL','650.507.9833','21-06-07','SH\_CLERK',2600,null,124,'D',50);

Insert into EMP\_new values(199,'Douglas','Grant','DGRANT','650.507.9844','13-01-08','SH\_CLERK',2600,null,124,'D',50);

Insert into EMP\_new values (200,'Jennifer','Whalen','JWHALEN','515.123.4444','17-09-03','AD\_ASST',4400,null,101,'D',10);

Insert into EMP\_new values (201,'Michael','Hartstein','MHARTSTE','515.123.5555','17-02-04','MK\_MAN',13000,null,100,'B',20);

Insert into EMP\_new values(202,'Pat','Fay','PFAY','603.123.6666','17-08-05','MK\_REP',6000,null,201,'C',20);

Insert into EMP\_new values (203,'Susan','Mavris','SMAVRIS','515.123.7777','07-06-02','HR\_REP',6500,null,101,'C',40);

Insert into EMP\_new values (204,'Hermann','Baer','HBAER','515.123.8888','07-06-02','PR\_REP',10000,null,101,'B',70);

Insert into EMP\_new values (205,'Shelley','Higgins','SHIGGINS','515.123.8080','07-06-02','AC\_MGR',12008,null,101,'B',110);

Insert into EMP\_new values (206,'William','Gietz','WGIETZ','515.123.8181','07-06-02','AC\_ACCOUNT',8300,null,205,'C',110);

alter table emp\_new modify column salary numeric;

alter table emp\_new modify column salary numeric;

alter table emp\_new modify column salary numeric;

select \* from emp\_new;

CREATE TABLE SAL\_GRADE

( GRADE VARCHAR(10)primary key,

MINSAL varchar(50),

MAXSAL varchar(50)

);

insert into sal\_grade values('A',20000,30000);

insert into sal\_grade values('B',10000,19999),

('c',5000,9999),

('D',1000,4999),

('E',100,999);

select \*from sal\_grade;

SELECT \* FROM akshata.emp;

# assignment no. 2

# Q.2

select ename,job,sal+(0.10\*( sal)) from emp where job like '%manager';

set sql\_safe\_updates=0

#Q.3

#delete from dept;

#q. 6

select first\_name from emp\_new where hire\_date = '2007-12-07';

#Q.11

SELECT \* from emp\_new order by employee\_id desc ;

#q.12

select distinct job\_id,salary from emp\_new group by job\_id

# Q.13

SELECT DEPARTMENT\_ID,MAX(SALARY) FROM EMP\_NEW GROUP BY DEPARTMENT\_ID

#Q. 14

SELECT JOB\_ID,AVG(SALARY) FROM EMP\_NEW GROUP BY JOB\_ID

#Q15

select COUNT(EMPLOYEE\_ID) FROM EMP\_NEW WHERE DEPARTMENT\_ID=20

#Q.16

SELECT COUNT(EMPLOYEE\_ID) FROM EMP\_NEW WHERE DEPARTMENT\_ID=10 AND JOB\_ID LIKE '%MANAGER'

#Q.17

SELECT COMMISSION\_PCT,COUNT(EMPLOYEE\_ID) FROM EMP\_NEW WHERE DEPARTMENT\_ID=30 AND COMMISSION\_PCT IS NULL

#Q18

SELECT FIRST\_NAME FROM EMP\_NEW WHERE EXTRACT(MONTH FROM HIRE\_DATE) = 12;

#Q.19

select dayname( hire\_date) from emp\_new where first\_name like 'den';

#q20

select first\_name ,extract(month from hire\_date) from emp\_new where first\_name like 's%';

select first\_name ,monthname(hire\_date) from emp\_new where first\_name like 's%';

#Q.21

select first\_name,hire\_date from emp\_new order by hire\_date;

#Q.22

select first\_name, date\_format(hire\_date,' %d %b %y') as date\_of\_join from emp\_new

#q.23

select curdate();

select datediff(current\_date,hire\_date)/365 as date\_diff from emp\_new;

#q.24

select date\_add(curdate(),interval 15 day);

#q.25

select first\_name,hire\_date from emp\_new where year(hire\_date)=2001;

#assignment no.3

#q.1 (finance)

select first\_name from emp\_new where DEPARTMENT\_ID=

(select department\_id from departments where department\_name like 'finance');

#q.3

select department\_name from departments where department\_id=(

select department\_id ,max(salary) from emp\_new );

#Q.4

SELECT job\_id from emp\_new union

select D