CREATE TABLE DEPARTMENTS

(DEPARTMENT\_ID varchar(40) primary key,

DEPARTMENT\_NAME VARCHAR(30),

MANAGER\_ID varchar(60),

LOCATION\_ID varchar(40)

);

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)

);

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);

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;