

CREAREA SI INSERAREA DATELOR

```
create table REGIONS(  
  region_id NUMBER(5) PRIMARY KEY,  
  region_name VARCHAR(25) NOT NULL  
);  
  
create table COUNTRIES(  
  country_id NUMBER(5) PRIMARY KEY,  
  country_name VARCHAR(25) NOT NULL,  
  region_id NUMBER(5) NOT NULL REFERENCES regions(region_id)  
);  
  
create table LOCATIONS(  
  location_id NUMBER(8) PRIMARY KEY,  
  street_adress VARCHAR2(100),  
  postal_code NUMBER(25),  
  city VARCHAR(25),  
  country_id NUMBER(5) NOT NULL REFERENCES countries(country_id)  
);  
  
create table DEPARTMENTS(  
  department_id NUMBER(5) PRIMARY KEY,  
  department_name VARCHAR(25) NOT NULL,  
  manager_id NUMBER(5) NOT NULL,  
  location_id NUMBER(8) NOT NULL REFERENCES locations(location_id)  
);  
  
create table EMPLOYEES(  
  employee_id NUMBER(5) PRIMARY KEY,  
  last_name VARCHAR(25) NOT NULL,
```

```
first_name VARCHAR(25) NOT NULL,  
email VARCHAR(320) NOT NULL UNIQUE,  
phone_number VARCHAR(15) NOT NULL UNIQUE,  
hire_date DATE NOT NULL,  
department_id NUMBER(5) REFERENCES departments(department_id),  
job_id NUMBER(5) REFERENCES jobs(job_id),  
rank_id NUMBER(5) DEFAULT NULL REFERENCES ranks(rank_id)  
);
```

```
create table JOBS(  
job_id NUMBER(5) PRIMARY KEY,  
job_name VARCHAR(25) NOT NULL,  
base_salary number(6) NOT NULL  
);
```

```
create table RANKS(  
rank_id NUMBER(5) PRIMARY KEY,  
rank_name VARCHAR(25) NOT NULL,  
max_salary NUMBER(6) NOT NULL,  
bonus NUMBER(4) NOT NULL  
);
```

```
create table DIVISIONS(  
rank_id NUMBER(5) NOT NULL,  
job_id VARCHAR(25) NOT NULL,  
category VARCHAR(25) NOT NULL,  
PRIMARY KEY(rank_id, job_id)  
);
```

```
create table CUSTOMERS(  
customer_id NUMBER(8) PRIMARY KEY,  
phone_number VARCHAR(15) NOT NULL UNIQUE,
```

```
last_name VARCHAR(25) NOT NULL,  
first_name VARCHAR(25) NOT NULL,  
location_id NUMBER(8) NOT NULL REFERENCES locations(location_id),  
email VARCHAR(320) NOT NULL UNIQUE,  
annual_income NUMBER(8)  
);  
  
create table CALLS(  
call_id NUMBER(8) PRIMARY KEY,  
customer_id NUMBER(8) NOT NULL REFERENCES customers(customer_id),  
employee_id NUMBER(5) NOT NULL REFERENCES employees(employee_id),  
call_datetime DATE DEFAULT SYSDATE,  
sale NUMBER(1) DEFAULT 0  
);  
  
ALTER TABLE EMPLOYEES  
DROP COLUMN RANK_ID;  
  
ALTER TABLE jobs  
add rank_id NUMBER(5) DEFAULT NULL REFERENCES ranks(rank_id);  
  
COMMIT;
```

```
create table SUPPLIERS(  
supplier_id NUMBER(5) PRIMARY KEY,  
company_name VARCHAR(25) NOT NULL,  
location_id NUMBER(8) NOT NULL REFERENCES locations(location_id),  
phone_number VARCHAR(15) NOT NULL UNIQUE  
);  
  
create table PRODUCTS(  
product_id NUMBER(5) PRIMARY KEY,
```

```
product_name VARCHAR(25) NOT NULL,  
supplier_id NUMBER(5) NOT NULL REFERENCES suppliers(supplier_id),  
price NUMBER(5) NOT NULL,  
quantity_available NUMBER(5),  
description VARCHAR2(300)  
);  
  
create table TRANSACTION_LINES(  
transaction_id NUMBER(8),  
product_id NUMBER(5) REFERENCES products(product_id),  
quantity_sold NUMBER(5) NOT NULL,  
CONSTRAINT PK_COMPOSITE PRIMARY KEY(transaction_id, product_id)  
);
```

```
COMMIT;  
  
create table TRANSACTIONS(  
transaction_id NUMBER(8) REFERENCES transaction_lines(transaction_id),  
customer_id NUMBER(8) REFERENCES customers(customer_id),  
sum_transferred NUMBER(6),  
datetime TIMESTAMP DEFAULT SYSTIMESTAMP,  
approval NUMBER(1) DEFAULT 1,  
PRIMARY KEY(transaction_id)  
);  
  
ALTER TABLE TRANSACTIONS  
DROP CONSTRAINT SYS_C007074;
```

```
CREATE SEQUENCE regions_seq  
START WITH 1  
INCREMENT BY 1  
NOCACHE
```

NOCYCLE;

CREATE SEQUENCE location_seq

START WITH 1

INCREMENT BY 1

NOCACHE

NOCYCLE;

CREATE SEQUENCE supplier_seq

START WITH 1

INCREMENT BY 1

NOCACHE

NOCYCLE;

CREATE SEQUENCE employee_seq

START WITH 1

INCREMENT BY 1

NOCACHE

NOCYCLE;

CREATE SEQUENCE countries_seq

START WITH 1

INCREMENT BY 1

NOCACHE

NOCYCLE;

CREATE SEQUENCE dept_seq

START WITH 1

INCREMENT BY 1

NOCACHE

NOCYCLE;

CREATE SEQUENCE prod_seq

START WITH 1

INCREMENT BY 1

NOCACHE

NOCYCLE;

CREATE SEQUENCE job_seq

START WITH 1

INCREMENT BY 1

NOCACHE

NOCYCLE;

CREATE SEQUENCE rank_seq

START WITH 1

INCREMENT BY 1

NOCACHE

NOCYCLE;

CREATE SEQUENCE call_seq

START WITH 1

INCREMENT BY 1

NOCACHE

NOCYCLE;

CREATE SEQUENCE customer_seq

```
START WITH 1
INCREMENT BY 1
NOCACHE
NOCYCLE;
```

```
CREATE SEQUENCE transactions_seq
START WITH 1
INCREMENT BY 1
NOCACHE
NOCYCLE;
```

```
INSERT INTO regions
values(regions_seq.nextval, 'Europe');
INSERT INTO regions
values(regions_seq.nextval, 'Americas');
INSERT INTO regions
values(regions_seq.nextval, 'Asia');
INSERT INTO regions
values(regions_seq.nextval, 'Middle-East and Africa');
insert into regions
values(regions_seq.nextval, 'Alaska');
```

```
INSERT INTO countries
values(countries_seq.nextval, 'Italy', 1);
INSERT INTO countries
values(countries_seq.nextval, 'United States of America', 2);
INSERT INTO countries
values(countries_seq.nextval, 'Canada', 2);
INSERT INTO countries
```

```
values(countries_seq.nextval, 'China', 3);  
INSERT INTO countries  
values(countries_seq.nextval, 'India', 3);  
INSERT INTO countries  
values(countries_seq.nextval, 'Australia', 3);  
INSERT INTO countries  
values(countries_seq.nextval, 'Singapore', 3);  
INSERT INTO countries  
values(countries_seq.nextval, 'Zimbabwe', 4);  
INSERT INTO countries  
values(countries_seq.nextval, 'United Kingdom', 1);  
INSERT INTO countries  
values(countries_seq.nextval, 'France', 1);  
INSERT INTO countries  
values(countries_seq.nextval, 'Germany', 1);  
INSERT INTO countries  
values(countries_seq.nextval, 'Zambia', 4);  
INSERT INTO countries  
values(countries_seq.nextval, 'Egypt', 4);  
INSERT INTO countries  
values(countries_seq.nextval, 'Brazil', 2);  
INSERT INTO countries  
values(countries_seq.nextval, 'Switzerland', 1);  
INSERT INTO countries  
values(countries_seq.nextval, 'Netherlands', 1);  
INSERT INTO countries  
values(countries_seq.nextval, 'Mexico', 2);  
INSERT INTO countries  
values(countries_seq.nextval, 'Kuwait', 4);
```



```
INSERT INTO countries
values(countries_seq.nextval, 'Israel', 4);

INSERT INTO countries
values(countries_seq.nextval, 'Denmark', 1);

INSERT INTO countries
values(countries_seq.nextval, 'Hong-Kong', 3);

INSERT INTO countries
values(countries_seq.nextval, 'Nigeria', 4);

INSERT INTO countries
values(countries_seq.nextval, 'Argentina', 2);

INSERT INTO countries
values(countries_seq.nextval, 'Belgium', 1);
```

```
INSERT INTO DEPARTMENTS(department_id, department_name, manager_id, location_id)
VALUES
(dept_seq.nextval, 'Managerial', location_seq.nextval, employee_seq.nextval);

INSERT INTO DEPARTMENTS(department_id, department_name, manager_id, location_id)
VALUES
(dept_seq.nextval, 'IT', location_seq.nextval, employee_seq.nextval);

INSERT INTO DEPARTMENTS(department_id, department_name, manager_id, location_id)
VALUES
(dept_seq.nextval, 'Training', location_seq.nextval, employee_seq.nextval);

INSERT INTO DEPARTMENTS(department_id, department_name, manager_id, location_id)
VALUES
(dept_seq.nextval, 'Quality Assurance', location_seq.nextval, employee_seq.nextval);

INSERT INTO DEPARTMENTS(department_id, department_name, manager_id, location_id)
VALUES
(dept_seq.nextval, 'Callers', location_seq.nextval, employee_seq.nextval);

INSERT INTO DEPARTMENTS(department_id, department_name, manager_id, location_id)
```

VALUES

(dept_seq.nextval, 'Data-Providers', location_seq.nextval, employee_seq.nextval);

INSERT INTO DEPARTMENTS(department_id, department_name, manager_id, location_id)

VALUES

(dept_seq.nextval, 'Bureaucracy', location_seq.nextval, employee_seq.nextval);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, '4950 Parkview Drive', 77063,'Houston',2);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, 'Rua Nathan Mitelman 1560', 13402282,'Piracicaba',14);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, 'Rua Camucica 451', 74670310,'Goiânia',14);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, 'Via delle Azalee 27', 15020,'Montalero',1);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, 'Via Scuderlando 84', 64040,'Frondarola',1);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, ' 2804 Toy Avenue', 354212,'Oshawa',3);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, '4320 MacLaren Street', 54354,'Schreiber',3);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, '26hao Lou 2dan Yuan 1001', 25612,'Daxing District',4);

```
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, ' Dong Yao Dao 37hao Li Wen Jing Pin', 12046,'Tangshan - Lubei District',4);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, '281, Kaveri Main Road, Udayanagar', 560016,'Bangalore',5);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, '5/a, Veena Beena Hsg.society, A.d.marg, Sewree', 400015,'Mumbai',5);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, '13 Jones Road',4076 ,'Woorinen North',6);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, '84 Halsey Road', 3589,' Mundoo Island',6);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, ' 9005 Tampines St 93 #01-224', 528839,' Singapore',7);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, '4 Lorong Telok 03-00', 049017,' Singapore',7);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, 'Shop 17 Borrowdale', 88653,'Harare',8);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, 'P O Box 3198', 88652,'Harare',8);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
```

```

(location_seq.nextval, '28 Hexham Road', 08901,'Invernaver',9);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, '60 Fulford Road', 23438,'Pentre-celyn',9);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, '46 rue Sadi Carnot', 09887,'Prenteg',10);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, '55 avenue du Marechal Juin', 089701,'Auxerre',10);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, ' Budapester Strasse 28', 06700,'Steyerberg',11);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, 'Fugger Strasse 25', 89000,'Koblenz Vorstadt',11);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, '57 Zambezi Rd, P.O.Box 51122', 56073,'Cairo Rd',12);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, 'Electra Hse', 31595,'Lusakak',12);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, ' 57 El-Khalifa El-Maamoun St., inside Centre B.B', 089601,'Heliopolis',13);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, 'Hadayek El-Obour Bldgs. 33, NASR CITY', 129132,'Cairo',13);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

```

values

(location_seq.nextval, 'Sondanella 3', 3780,'Gstaad',15);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, 'Spinatsch 85', 5054,'Moosleerau',15);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, 'It Jachtfjild 154', 9281,'Harkema',16);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, 'Willem Elsschotstraat 156', 6921,' Duiven',16);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, 'LIBERTAD 2389 NO. S/N, CHAVEÑA, 32060', 32060,'Chihuahua',17);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, 'BLVD. NAVARRETE NO. 72, VALLE VERDE, 83200', 83200,'Sonora',17);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, 'Shuwaikh Industry 42088 - Shuwaikh 70651 - Shuwaikh', 4838325,'Al-shuwaikh',18);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, 'Shuwaikh Industry', 4837559,' Al-shuwaikh',18);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

(location_seq.nextval, '3 Sprintzak', 90927,'Tel Aviv',19);

insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

values

```

(location_seq.nextval, ' 33 Etsel St.', 49886,'Ramat Gan',19);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, ' Præstevænget 86', 08001,'Tjæreborg',20);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, 'Stokløkken 56', 08000,'Fredericia',20);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, 'Nan Fung Tower',5617,' Western District',21);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, 'Charmay Centre Kwai Chung', 5836,'Kwai Tsing District',21);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, '64 Nnamdi Azikiwe Street (1st Floor), Island, P.O. Box 630', 76757,'Marina',22);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, 'No.11 Jengre Road Off Murtala Mohammed Way P.O Box 793', 3868,'Lagos',22);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, 'Barrio Las Acacias', 11333,'San Juan',23);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, ' Juan B. Alberdi 3001/17', 64744,'Buenos Aires',23);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)
values
(location_seq.nextval, 'Rue de Baras 426', 10472,'Terhagen',24);
insert into LOCATIONS(LOCATION_ID,STREET_ADRESS,POSTAL_CODE,CITY,COUNTRY_ID)

```

values

(location_seq.nextval, 'Rue de Fromelenne 336', 10488, 'Genk', 24);

insert into SUPPLIERS(SUPPLIER_ID,COMPANY_NAME,LOCATION_ID, PHONE_NUMBER)

values

(supplier_seq.nextval, 'Vacuum Experts', 9, '857-220-7675');

insert into SUPPLIERS(SUPPLIER_ID,COMPANY_NAME,LOCATION_ID, PHONE_NUMBER)

values

(supplier_seq.nextval, 'Vacuum Experts', 10, '432-220-7675');

insert into SUPPLIERS(SUPPLIER_ID,COMPANY_NAME,LOCATION_ID, PHONE_NUMBER)

values

(supplier_seq.nextval, 'Vacuum Experts', 11, '567-220-7675');

insert into SUPPLIERS(SUPPLIER_ID,COMPANY_NAME,LOCATION_ID, PHONE_NUMBER)

values

(supplier_seq.nextval, 'Leather-Everything!', 22, '587-220-7675');

insert into SUPPLIERS(SUPPLIER_ID,COMPANY_NAME,LOCATION_ID, PHONE_NUMBER)

values

(supplier_seq.nextval, 'Apple', 23, '547-220-7675');

UPDATE suppliers

SET company_name = 'Knife Masters'

WHERE supplier_id = 2;

UPDATE suppliers

SET company_name = 'Powerful'

WHERE supplier_id = 3;

commit;

--location 11

```
insert into
PRODUCTS(PRODUCT_ID,PRODUCT_NAME,SUPPLIER_ID,PRICE,QUANTITY_AVAILABLE,DESCRIPTION)
values
```

```
(prod_seq.nextval, 'Vacuumator 3000', 1, 300, 25,'lightweight (2.4 lbs), and easy to use. The 106w motor
will terminate any dirt or debris;Car Cleaning Kit Includes: 3 attachments (flathead, extendable, or brush
nozzle) for detailing, carry bag, filter brush, and spare HEPA filter. It uses the 12v aux outlet for power.');
```

```
insert into
PRODUCTS(PRODUCT_ID,PRODUCT_NAME,SUPPLIER_ID,PRICE,QUANTITY_AVAILABLE,DESCRIPTION)
values
```

```
(prod_seq.nextval, 'Vacuumator 7000', 1, 500, 20,'5 lbs,200w motor Car Cleaning Kit Includes: 3
attachments (flathead, extendable, or brush nozzle) for detailing, carry bag, filter brush, and spare HEPA
filter. It uses the 12v aux outlet for power.');
```

```
insert into
PRODUCTS(PRODUCT_ID,PRODUCT_NAME,SUPPLIER_ID,PRICE,QUANTITY_AVAILABLE,DESCRIPTION)
values
```

```
(prod_seq.nextval, 'Damascus Knife', 2, 100, 40,'SUPER DAMASCUS STEEL,NON-STICK BLADE,PREMIUM
G-10 HANDLE,LIFETIME GUARANTEE');
```

```
insert into
PRODUCTS(PRODUCT_ID,PRODUCT_NAME,SUPPLIER_ID,PRICE,QUANTITY_AVAILABLE,DESCRIPTION)
values
```

```
(prod_seq.nextval, 'Handcrafted Knife', 2, 180, 25,'Handcrafted all-purpose knife that has many uses
around the kitchen. Features layered Damascus steel with a striking, hand-hammered finish (known as
Tsuchime in Japanese).');
```

```
insert into
PRODUCTS(PRODUCT_ID,PRODUCT_NAME,SUPPLIER_ID,PRICE,QUANTITY_AVAILABLE,DESCRIPTION)
values
```


(prod_seq.nextval, 'Pawarwash 200', 3, 250, 31, '14.5-Amp/1800-watt motor generates up to 2030 PSI (at initial discharge per CSA internal pressure testing) and 1.76 GPM (with nozzle open at minimum pressure) of water flow');

insert into
PRODUCTS(PRODUCT_ID,PRODUCT_NAME,SUPPLIER_ID,PRICE,QUANTITY_AVAILABLE,DESCRIPTION)
values

(prod_seq.nextval, 'Pawarwash 400', 3, 400, 17, 'HONDA GX200 engine w/ Oil Alert AAA Industrial triplex plunger pump w/ PowerBoost Technology 5/16 in. x 35 ft. MorFlex hose is non-marring, kink and abrasion resistant, and equipped with threaded fittings');

insert into
PRODUCTS(PRODUCT_ID,PRODUCT_NAME,SUPPLIER_ID,PRICE,QUANTITY_AVAILABLE,DESCRIPTION)
values

(prod_seq.nextval, 'Pawarwash 400', 3, 400, 17, 'HONDA GX200 engine w/ Oil Alert AAA Industrial triplex plunger pump w/ PowerBoost Technology 5/16 in. x 35 ft. MorFlex hose is non-marring, kink and abrasion resistant, and equipped with threaded fittings');

insert into
PRODUCTS(PRODUCT_ID,PRODUCT_NAME,SUPPLIER_ID,PRICE,QUANTITY_AVAILABLE,DESCRIPTION)
values

(prod_seq.nextval, 'Xiaomi Phone', 7, 300, 17, 'Cheap and reliable smartphone. Colour: black');

insert into
PRODUCTS(PRODUCT_ID,PRODUCT_NAME,SUPPLIER_ID,PRICE,QUANTITY_AVAILABLE,DESCRIPTION)
values

(prod_seq.nextval, 'Iphone X', 8, 400, 14, 'The best camera a phone has ever had!');

insert into Employees(EMPLOYEE_ID,
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
values

(1, 'Agapetos', 'Maximilianus', 'Agapetos_Maximilianus@gmail.com', '+1-202-555-0166', '14 NOV 2002', 2, 1);

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)  
values
```

```
(2, 'Kilian', 'Farvald', 'Kilian_Farvald@gmail.com', '+1-202-555-0106', '13 JUL 2001', 2, 2);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)  
values
```

```
(3, 'Rurik', 'Ferran', 'Rurik_Ferran@gmail.com', '202-555-0126', '1 FEB 2005', 2, 3);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)  
values
```

```
(4, 'Harmon', 'Prokopy', 'Harmon_Prokopy@gmail.com', '202-555-0128', '21 SEP 1997', 2, 4);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)  
values
```

```
(5, 'Sal', 'Nikolay1', 'Sal_Nikolay@gmail.com', '+1-202-555-0108', '25 JUN 2006', 2, 5);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)  
values
```

```
(6, 'Jarmo', 'Wilbur', 'Jarmo_Wilbur@gmail.com', '+1-202-555-0124', '15 MAR 2015', 2, 6);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)  
values
```

```
(7, 'Gidie', 'Albert', 'Gidie_Albert@gmail.com', '202-555-0184', '12 JAN 2020', 2, 7);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)  
values
```

```
(employee_seq.nextval, 'Jude', 'Miodrag', 'Jude_Miodrag@gmail.com', '202-555-0176', '24 MAY  
2011', 3, 15);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)  
values
```

```
(employee_seq.nextval, 'Njord', 'Alexey', 'Njord_Alexey@gmail.com', '202-555-0187', '09 SEP 2001', 3, 16);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
```

```
values
```

```
(employee_seq.nextval, 'Boško', 'Eraldo', 'Boško_Eraldo@gmail.com', '202-555-0170', '8 AUG 2001', 3, 17);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
```

```
values
```

```
(employee_seq.nextval, 'Jaya', 'Viraj', 'Jaya_Viraj@gmail.com', '+1-202-555-0180', '1 APR 1969', 4, 18);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
```

```
values
```

```
(employee_seq.nextval, 'Boulos', 'Shachar', 'Boulos_Shachar@gmail.com', '01632 960315', '3 MAY  
2018', 4, 19);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
```

```
values
```

```
(employee_seq.nextval, 'Kephas', 'Gerard', 'Kephas_Gerard@gmail.com', '01632 960214', '04 JUL  
2014', 5, 20);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
```

```
values
```

```
(employee_seq.nextval, 'Abubakar', 'Wulfric', 'Abubakar_Wulfric@gmail.com', '01632 960517', '05 JAN  
2020', 5, 21);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
```

```
values
```

```
(employee_seq.nextval, 'Miron', 'Yuusuf', 'Miron_Yuusuf@gmail.com', '202-555-0146', '04 FEB  
2019', 8, 22);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
```

```
values
```

```
(employee_seq.nextval, 'Eelis', 'Eadric', 'Eelis_Eadric@gmail.com', '775-555-0170', '13 MAR 2018', 8, 23);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
```

values

```
(employee_seq.nextval, 'Dilwyn', 'Vinicius', 'Dilwyn_Vinicius@gmail.com', '775-555-0270', '11 JAN  
2020', 6, 34);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
```

values

```
(employee_seq.nextval, 'Harendra', 'Yaqoob', 'Harendra_Yaqoob@gmail.com', '277-555-0121', '10 JAN  
2020', 6, 35);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
```

values

```
(employee_seq.nextval, 'Omar', 'Cosmo', 'Omar_Cosmo@gmail.com', '775-555-0185', '09 JAN 2020', 6, 36);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
```

values

```
(employee_seq.nextval, 'Yeong-Hwan', 'Tancredi', 'Yeong_Hwan_Tancredi@gmail.com', '775-555-  
0130', '08 JAN 2020', 6, 37);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
```

values

```
(employee_seq.nextval, 'Slade', 'Samuhel', 'Slade_Samuhel@gmail.com', '307-555-0161', '07 JAN  
2020', 6, 38);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
```

values

```
(employee_seq.nextval, 'Surya', 'Eko', 'Surya_Eko@gmail.com', '307-555-0165', '07 JAN 2020', 7, 39);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
```

values

```
(employee_seq.nextval, '?ucjan','Pankaja', '?ucjan_Pankaja@gmail.com','307-555-0139','05 JAN 2020',7,40);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
```

values

```
(employee_seq.nextval, 'Erasmus', 'Auberon', 'Erasmus_Auberon@gmail.com','843-555-0113','01 JAN 2020',7,41);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
```

values

```
(employee_seq.nextval, 'Nil','Peni', 'Nil_Peni@gmail.com','843-555-0139','28 DEC 2019',7,42);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
```

values

```
(employee_seq.nextval, 'Eugene','Kratos', 'Eugene_Kratos@gmail.com','843-555-0189','18 JAN 2020',7,43);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
```

values

```
(employee_seq.nextval, 'Ondra','Milos', 'Ondra_Milos@gmail.com','843-355-0189','18 NOV 2020', null, 45);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
```

values

```
(employee_seq.nextval, 'Ar Baar','Kudos Andre', 'ArBaar_KudosAndre@gmail.com','843-355-0289','17 NOV 2020', null, 45);
```

```
insert into Employees(EMPLOYEE_ID,  
LAST_NAME,FIRST_NAME,EMAIL,PHONE_NUMBER,HIRE_DATE,DEPARTMENT_ID,JOB_ID)
```

values

```
(employee_seq.nextval, 'Ar-Baar','Randel-Andre', 'ArBaar_RandelAndre@gmail.com','843-255-0289','10 NOV 2020', null, 45);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'Managerial Manager', 10000, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
```

```
(job_seq.nextval, 'IT Manager', 8000, null);
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'Training Manager', 8000, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'Quality Assurance Manager', 8000, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'Callers Manager', 8000, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'Data-Providers Manager', 8000, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'Bureaucracy Manager', 8000, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'Programmer', 2500, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'ITSecurity', 3000, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'DataBase Specialist', 2000, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'Caller Trainer', 2500, null);
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'Data-Hunter Trainer', 2500, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'Product Checker', 1100, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'Conversation Analyst', 1100, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'Transactions Organiser', 2000, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'Rank-Promoter', 1000, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'CALLER', 1000, 1);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'CALLER', 1200, 2);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'CALLER', 1400, 3);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'CALLER', 1600, 4);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
values
(job_seq.nextval, 'CALLER', 2000, 5);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
```


values

```
(job_seq.nextval, 'BEST-CALLER || 2020', 4000, 6);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
```

values

```
(job_seq.nextval, 'DATA-HUNTER', 1000, 1);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
```

values

```
(job_seq.nextval, 'DATA-HUNTER', 1200, 2);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
```

values

```
(job_seq.nextval, 'DATA-HUNTER', 1400, 3);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
```

values

```
(job_seq.nextval, 'DATA-HUNTER', 1600, 4);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
```

values

```
(job_seq.nextval, 'DATA-HUNTER', 2000, 5);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
```

values

```
(job_seq.nextval, 'SECURITY-GUARD', 1500, null);
```

```
insert into JOBS(JOB_ID, JOB_NAME,BASE_SALARY ,RANK_ID)
```

values

```
(job_seq.nextval, 'CUSTODIAN', 1000, null);
```

```
alter table ranks  
drop column bonus;
```

```
alter table ranks  
drop column max_salary;
```

```
alter table divisions  
add max_salary NUMBER(6) NOT NULL;  
alter table divisions  
add bonus NUMBER(4) NOT NULL;
```

```
insert into RANKS(rank_id, rank_name)  
values (rank_seq.nextval, 'Level 1');  
insert into RANKS(rank_id, rank_name)  
values (rank_seq.nextval, 'Level 2');  
insert into RANKS(rank_id, rank_name)  
values (rank_seq.nextval, 'Level 3');  
insert into RANKS(rank_id, rank_name)  
values (rank_seq.nextval, 'Level 4');  
insert into RANKS(rank_id, rank_name)  
values (rank_seq.nextval, 'Level 5');  
insert into RANKS(rank_id, rank_name)  
values (rank_seq.nextval, 'Level 6');
```

```
delete  
from jobs  
where job_id = 8;  
alter table divisions
```

```
drop column bonus;

alter table divisions

add bonus FLOAT(4);

alter table divisions

drop column category;

alter table divisions

add Data_category Varchar(40);

delete from divisions;

commit;

insert into DIVISIONS(rank_id, job_id, DATA_CATEGORY, Max_salary, Bonus)
values(1, 23, 'Low Income Clients', 1500, 15);

insert into DIVISIONS(rank_id, job_id, data_Category, Max_salary, Bonus)
values(2, 24, 'Low-Medium Income Clients', 2000, 25);

insert into DIVISIONS(rank_id, job_id, data_Category, Max_salary, Bonus)
values(3, 25, 'Medium Income Clients', 2500, 35);

insert into DIVISIONS(rank_id, job_id, data_Category, Max_salary, Bonus)
values(4, 26, 'Medium-High Income Clients', 3000, 45);

insert into DIVISIONS(rank_id, job_id, data_Category, Max_salary, Bonus)
values(5, 27, 'High Income Clients', 3500, 55);

insert into DIVISIONS(rank_id, job_id, data_Category, Max_salary, Bonus)
values(1, 28, 'Low Income Clients Data', 1400, 10);

insert into DIVISIONS(rank_id, job_id, data_Category, Max_salary, Bonus)
values(2, 29, 'Low-Medium Income Clients Data', 1900, 15);

insert into DIVISIONS(rank_id, job_id, data_Category, Max_salary, Bonus)
values(3, 30, 'Medium Income Clients Data', 2500, 20);

insert into DIVISIONS(rank_id, job_id, data_Category, Max_salary, Bonus)
values(4, 31, 'Medium-High Income Clients Data', 3500, 20);

insert into DIVISIONS(rank_id, job_id, data_Category, Max_salary, Bonus)
values(5, 32, 'High Income Clients Data', 4000, 22);
```

```
insert into DIVISIONS(rank_id, job_id, data_Category, Max_salary, Bonus)
values(6, 47, 'Highest Income Clients', 8000, 30);
```

```
insert into CALLS(call_id, customer_id, employee_id, sale)
values(call_seq.nextval, 6 , 23, 1);
```

```
insert into CALLS(call_id, customer_id, employee_id sale)
values(call_seq.nextval, 1 , 23, 1);
```

```
insert into CALLS(call_id, customer_id, employee_id, sale)
values(call_seq.nextval, 2 , 23, 0);
```

```
insert into CALLS(call_id, customer_id, employee_id, sale)
values(call_seq.nextval, 3 , 22, 1);
```

```
insert into CALLS(call_id, customer_id, employee_id, sale)
values(call_seq.nextval, 8 , 22, 0);
```

```
insert into CALLS(call_id, customer_id, employee_id, sale)
values(call_seq.nextval, 4 , 21, 0);
```

```
insert into CALLS(call_id, customer_id, employee_id, sale)
values(call_seq.nextval, 5 , 21, 0);
```

```
insert into CALLS(call_id, customer_id, employee_id, sale)
values(call_seq.nextval, 7 , 30, 1);
```

```
insert into CALLS(call_id, customer_id, employee_id, sale)
values(call_seq.nextval, 5 , 20, 0);
```

```
alter table customers
```

```
drop column email;
```

```
insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name,
location_id,annual_income)
values(customer_seq.nextval, '+1-701-555-0176', 'Seleukos', 'Herman', 49, 120000);
```

```

insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name,
location_id,annual_income)

values(customer_seq.nextval, '+1-701-555-0174', 'Daniel', 'Milomir', 48, 100000);

insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name,
location_id,annual_income)

values(customer_seq.nextval, '+1-701-555-0106', 'Yaffe', 'Theofylaktos', 47, 70000);

insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name,
location_id,annual_income)

values(customer_seq.nextval, '+1-502-555-0187', 'Mitko', 'Dawa', 46, 30000);

insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name,
location_id,annual_income)

values(customer_seq.nextval, '+1-502-555-0170', 'Elpidio', 'Charilaos', 45, 15000);

insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name,
location_id,annual_income)

values(customer_seq.nextval, '+1-502-555-0168', 'Gopal', 'Urien', 44, 240000);

insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name,
location_id,annual_income)

values(customer_seq.nextval, '+1-617-555-0177', 'Pegasus', 'Vancen', 43, 10000);

insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name,
location_id,annual_income)

values(customer_seq.nextval, '+1-617-555-0145', 'Juliano', 'Ovadyah', 42, 50000);

```

```

INSERT INTO TRANSACTION_LINES(transaction_id, product_id,quantity_sold)

values (transactions_seq.nextval, 3, 1);

INSERT INTO TRANSACTIONS(transaction_id, customer_id,sum_transferred,approval)

values (1, 7, 300, 1);

```

```

INSERT INTO TRANSACTION_LINES(transaction_id, product_id,quantity_sold)

values (transactions_seq.nextval, 4, 1);

INSERT INTO TRANSACTIONS(transaction_id, customer_id,sum_transferred,approval)

values (2, 3, 500, 1);

```

```
INSERT INTO TRANSACTION_LINES(transaction_id, product_id,quantity_sold)
values (transactions_seq.nextval, 5, 1);
INSERT INTO TRANSACTIONS(transaction_id, customer_id,sum_transfered,approval)
values (3, 6, 100, 1);
```

```
INSERT INTO TRANSACTION_LINES(transaction_id, product_id,quantity_sold)
values (transactions_seq.nextval, 6, 1);
INSERT INTO TRANSACTIONS(transaction_id, customer_id,sum_transfered,approval)
values (4, 3, 180, 1);
```

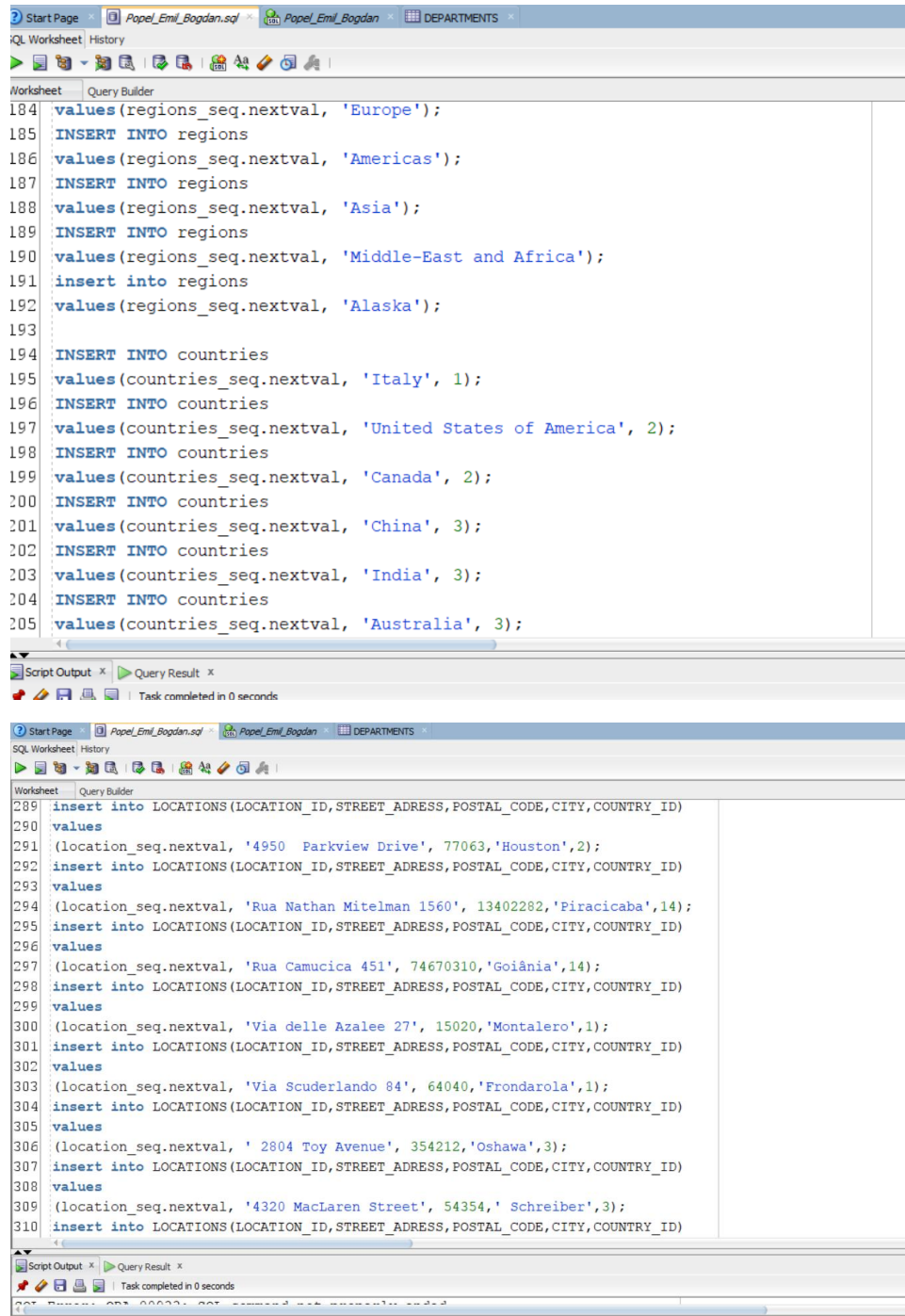
```
INSERT INTO TRANSACTION_LINES(transaction_id, product_id,quantity_sold)
values (transactions_seq.nextval, 7, 1);
INSERT INTO TRANSACTIONS(transaction_id, customer_id,sum_transfered,approval)
values (5, 3, 250, 1);
```

```
INSERT INTO TRANSACTION_LINES(transaction_id, product_id,quantity_sold)
values (transactions_seq.nextval, 7, 1);
INSERT INTO TRANSACTION_LINES(transaction_id, product_id,quantity_sold)
values (6, 8, 1);
INSERT INTO TRANSACTIONS(transaction_id, customer_id,sum_transfered,approval)
values (6, 7, 650, 1);
```

```
1 create table REGIONS(  
2 region_id NUMBER(5) PRIMARY KEY,  
3 region_name VARCHAR(25) NOT NULL  
4 );  
5 create table COUNTRIES(  
6 country_id NUMBER(5) PRIMARY KEY,  
7 country_name VARCHAR(25) NOT NULL,  
8 region_id NUMBER(5) NOT NULL REFERENCES regions(region_id)  
9 );  
10  
11 create table LOCATIONS(  
12 location_id NUMBER(8) PRIMARY KEY,  
13 street_address VARCHAR2(100),  
14 postal_code NUMBER(25),  
15 city VARCHAR(25),  
16 country_id NUMBER(5) NOT NULL REFERENCES countries(country_id)  
17 );  
18 create table DEPARTMENTS(  
19 department_id NUMBER(5) PRIMARY KEY,  
20 department_name VARCHAR(25) NOT NULL,  
21 manager_id NUMBER(5) NOT NULL,  
22 location_id NUMBER(8) NOT NULL REFERENCES locations(location_id)
```

```
70 DROP COLUMN RANK_ID;  
71  
72 ALTER TABLE jobs  
73 add rank_id NUMBER(5) DEFAULT NULL REFERENCES ranks(rank_id);  
74  
75 COMMIT;  
76  
77 create table SUPPLIERS(  
78 supplier_id NUMBER(5) PRIMARY KEY,  
79 company_name VARCHAR(25) NOT NULL,  
80 location_id NUMBER(8) NOT NULL REFERENCES locations(location_id),  
81 phone_number VARCHAR(15) NOT NULL UNIQUE  
82 );  
83 create table PRODUCTS(  
84 product_id NUMBER(5) PRIMARY KEY,  
85 product_name VARCHAR(25) NOT NULL,  
86 supplier_id NUMBER(5) NOT NULL REFERENCES suppliers(supplier_id),  
87 price NUMBER(5) NOT NULL,  
88 quantity_available NUMBER(5),  
89 description VARCHAR2(300)  
90 );  
91 create table TRANSACTION_LINES(  
92 transaction_id NUMBER(8) REFERENCES transaction_lines(transaction_id),  
93 customer_id NUMBER(8) REFERENCES customers(customer_id),  
94 sum_transferred NUMBER(6),  
95 datetime TIMESTAMP DEFAULT SYSTIMESTAMP,  
96 approval NUMBER(1) DEFAULT 1,  
97 PRIMARY KEY(transaction_id)
```

```
100 transaction_id NUMBER(8) REFERENCES transaction_lines(transaction_id),  
101 customer_id NUMBER(8) REFERENCES customers(customer_id),  
102 sum_transferred NUMBER(6),  
103 datetime TIMESTAMP DEFAULT SYSTIMESTAMP,  
104 approval NUMBER(1) DEFAULT 1,  
105 PRIMARY KEY(transaction_id)  
106 );  
107 ALTER TABLE TRANSACTIONS  
108 DROP CONSTRAINT SYS_C007074;  
109  
110 CREATE SEQUENCE regions_seq  
111 START WITH 1  
112 INCREMENT BY 1  
113 NOCACHE  
114 NOCYCLE;  
115  
116 CREATE SEQUENCE location_seq  
117 START WITH 1  
118 INCREMENT BY 1  
119 NOCACHE  
120 NOCYCLE;  
121
```




```
Start Page | Popel_Emil_Rogdan.sql | Popel_Emil_Rogdan | DEPARTMENTS
SQL Worksheet | History
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430
431 insert into SUPPLIERS(SUPPLIER_ID,COMPANY_NAME,LOCATION_ID, PHONE_NUMBER)
432 values
433 (supplier_seq.nextval, 'Vacuum Experts', 9, '857-220-7675');
434 insert into SUPPLIERS(SUPPLIER_ID,COMPANY_NAME,LOCATION_ID, PHONE_NUMBER)
435 values
436 (supplier_seq.nextval, 'Vacuum Experts', 10, '432-220-7675');
437 insert into SUPPLIERS(SUPPLIER_ID,COMPANY_NAME,LOCATION_ID, PHONE_NUMBER)
438 values
439 (supplier_seq.nextval, 'Vacuum Experts', 11, '567-220-7675');
440 insert into SUPPLIERS(SUPPLIER_ID,COMPANY_NAME,LOCATION_ID, PHONE_NUMBER)
441 values
442 (supplier_seq.nextval, 'Leather-Everything!', 22, '587-220-7675');
443 insert into SUPPLIERS(SUPPLIER_ID,COMPANY_NAME,LOCATION_ID, PHONE_NUMBER)
444 values
445 (supplier_seq.nextval, 'Apple', 23, '547-220-7675');
446
447 UPDATE suppliers
448 SET company_name = 'Knife Masters'
449 WHERE supplier_id = 2;
450 UPDATE suppliers
451 SET company_name = 'Powerful'
```

Script Output | Query Result | Task completed in 0 seconds

```
Start Page | Popel_Emil_Rogdan.sql | Popel_Emil_Rogdan | DEPARTMENTS
SQL Worksheet | History
Worksheet | Query Builder
469 (prod_seq.nextval, 'Damascus Knife', 2, 100, 40, 'SUPER DAMASCUS STEEL, NON-STICK BLADE, PREMIUM G-10 HANDLE, LIFETIME GUA
470
471 insert into PRODUCTS(PRODUCT_ID, PRODUCT_NAME, SUPPLIER_ID, PRICE, QUANTITY_AVAILABLE, DESCRIPTION)
472 values
473 (prod_seq.nextval, 'Handcrafted Knife', 2, 180, 25, 'Handcrafted all-purpose knife that has many uses around the kitche
474
475 insert into PRODUCTS(PRODUCT_ID, PRODUCT_NAME, SUPPLIER_ID, PRICE, QUANTITY_AVAILABLE, DESCRIPTION)
476 values
477 (prod_seq.nextval, 'Pawarwash 200', 3, 250, 31, '14.5-Amp/1800-watt motor generates up to 2030 PSI (at initial discharg
478
479 insert into PRODUCTS(PRODUCT_ID, PRODUCT_NAME, SUPPLIER_ID, PRICE, QUANTITY_AVAILABLE, DESCRIPTION)
480 values
481 (prod_seq.nextval, 'Pawarwash 400', 3, 400, 17, 'HONDA GX200 engine w/ Oil Alert AAA Industrial triplex plunger pump w/
482
483 insert into PRODUCTS(PRODUCT_ID, PRODUCT_NAME, SUPPLIER_ID, PRICE, QUANTITY_AVAILABLE, DESCRIPTION)
484 values
485 (prod_seq.nextval, 'Pawarwash 400', 3, 400, 17, 'HONDA GX200 engine w/ Oil Alert AAA Industrial triplex plunger pump w/
486
487 insert into PRODUCTS(PRODUCT_ID, PRODUCT_NAME, SUPPLIER_ID, PRICE, QUANTITY_AVAILABLE, DESCRIPTION)
488 values
489 (prod_seq.nextval, 'Xiaomi Phone', 7, 300, 17, 'Cheap and reliable smartphone. Colour: black');
490 insert into PRODUCTS(PRODUCT_ID, PRODUCT_NAME, SUPPLIER_ID, PRICE, QUANTITY_AVAILABLE, DESCRIPTION)
```

Script Output | Query Result | Task completed in 0 seconds

```
Start Page | Popel_Eml_Rogdan.sql | Popel_Eml_Rogdan | DEPARTMENTS
SQL Worksheet: History
Worksheet: Query Builder
559
560
561 insert into Employees (EMPLOYEE_ID, LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
562 values
563 (employee_seq.nextval, 'Surya', 'Eko', 'Surya_Eko@gmail.com', '307-555-0165', '07 JAN 2020', 7, 39);
564 insert into Employees (EMPLOYEE_ID, LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
565 values
566 (employee_seq.nextval, 'Pucjan', 'Pankaja', 'Pucjan_Pankaja@gmail.com', '307-555-0139', '05 JAN 2020', 7, 40);
567 insert into Employees (EMPLOYEE_ID, LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
568 values
569 (employee_seq.nextval, 'Erasmus', 'Auberon', 'Erasmus_Auberon@gmail.com', '843-555-0113', '01 JAN 2020', 7, 41);
570 insert into Employees (EMPLOYEE_ID, LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
571 values
572 (employee_seq.nextval, 'Nil', 'Peni', 'Nil_Peni@gmail.com', '843-555-0139', '28 DEC 2019', 7, 42);
573 insert into Employees (EMPLOYEE_ID, LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
574 values
575 (employee_seq.nextval, 'Eugene', 'Kratos', 'Eugene_Kratos@gmail.com', '843-555-0189', '18 JAN 2020', 7, 43);
576 insert into Employees (EMPLOYEE_ID, LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
577 values
578 (employee_seq.nextval, 'Ondra', 'Milos', 'Ondra_Milos@gmail.com', '843-355-0189', '18 NOV 2020', null, 45);
579 insert into Employees (EMPLOYEE_ID, LAST_NAME, FIRST_NAME, EMAIL, PHONE_NUMBER, HIRE_DATE, DEPARTMENT_ID, JOB_ID)
580 values
```

```
Start Page | Popel_Eml_Rogdan.sql | Popel_Eml_Rogdan | DEPARTMENTS
SQL Worksheet: History
Worksheet: Query Builder
667 values
668 (job_seq.nextval, 'CALLER', 1200, 2);
669
670 insert into JOBS (JOB_ID, JOB_NAME, BASE_SALARY, RANK_ID)
671 values
672 (job_seq.nextval, 'CALLER', 1400, 3);
673
674 insert into JOBS (JOB_ID, JOB_NAME, BASE_SALARY, RANK_ID)
675 values
676 (job_seq.nextval, 'CALLER', 1600, 4);
677 insert into JOBS (JOB_ID, JOB_NAME, BASE_SALARY, RANK_ID)
678 values
679 (job_seq.nextval, 'CALLER', 2000, 5);
680
681 insert into JOBS (JOB_ID, JOB_NAME, BASE_SALARY, RANK_ID)
682 values
683 (job_seq.nextval, 'DATA-HUNTER', 1000, 1);
684
685 insert into JOBS (JOB_ID, JOB_NAME, BASE_SALARY, RANK_ID)
686 values
687 (job_seq.nextval, 'DATA-HUNTER', 1200, 2);
688
```

```
Start Page | Popel_Eml_Rogdan.sql | Popel_Eml_Rogdan | DEPARTMENTS
SQL Worksheet: History
Worksheet: Query Builder
751 insert into DIVISIONS (rank_id, job_id, data_Category, Max_salary, Bonus)
752 values (5, 27, 'High Income Clients', 3500, 55);
753 insert into DIVISIONS (rank_id, job_id, data_Category, Max_salary, Bonus)
754 values (1, 28, 'Low Income Clients Data', 1400, 10);
755 insert into DIVISIONS (rank_id, job_id, data_Category, Max_salary, Bonus)
756 values (2, 29, 'Low-Medium Income Clients Data', 1900, 15);
757 insert into DIVISIONS (rank_id, job_id, data_Category, Max_salary, Bonus)
758 values (3, 30, 'Medium Income Clients Data', 2500, 20);
759 insert into DIVISIONS (rank_id, job_id, data_Category, Max_salary, Bonus)
760 values (4, 31, 'Medium-High Income Clients Data', 3500, 20);
761 insert into DIVISIONS (rank_id, job_id, data_Category, Max_salary, Bonus)
762 values (5, 32, 'High Income Clients Data', 4000, 22);
763
764 update DIVISIONS
765 set bonus = 22
766 where rank_id = 5 and job_id = 32;
767
768 delete from jobs
769 where job_id in (9,10,11,12,13,14);
770
771 insert into CALLS (call_id, customer_id, employee_id, sale)
772 values (call_seq.nextval, 6, 23, 1);
```

```
Worksheet  Query Builder
790
791 alter table customers
792 drop column email;
793 insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name, location_id,annual_income)
794 values(customer_seq.nextval, '+1-701-555-0176', 'Seleukos', 'Herman', 49, 120000);
795 insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name, location_id,annual_income)
796 values(customer_seq.nextval, '+1-701-555-0174', 'Daniel', 'Milomir', 48, 100000);
797 insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name, location_id,annual_income)
798 values(customer_seq.nextval, '+1-701-555-0106', 'Yaffe', 'Theofylaktos', 47, 70000);
799 insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name, location_id,annual_income)
800 values(customer_seq.nextval, '+1-502-555-0187', 'Mitko', 'Dava', 46, 30000);
801 insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name, location_id,annual_income)
802 values(customer_seq.nextval, '+1-502-555-0170', 'Elpidio', 'Charilaos', 45, 15000);
803 insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name, location_id,annual_income)
804 values(customer_seq.nextval, '+1-502-555-0168', 'Gopal', 'Urien', 44, 240000);
805 insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name, location_id,annual_income)
806 values(customer_seq.nextval, '+1-617-555-0177', 'Pegasus', 'Vancen', 43, 10000);
807 insert into CUSTOMERS(Customer_id, phone_number, last_name, first_name, location_id,annual_income)
808 values(customer_seq.nextval, '+1-617-555-0145', 'Juliano', 'Ovadyah', 42, 50000);
809
810 INSERT INTO TRANSACTION_LINES(transaction_id, product_id,quantity_sold)
811 values (transactions_seq.nextval, 3, 1);
Task completed in 0 seconds
```

```
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SQL Worksheet  History
Worksheet  Query Builder
826 values (transactions_seq.nextval, 6, 1);
827 INSERT INTO TRANSACTIONS(transaction_id, customer_id,sum_transferred,approval)
828 values (4, 3, 180, 1);
829
830 INSERT INTO TRANSACTION_LINES(transaction_id, product_id,quantity_sold)
831 values (transactions_seq.nextval, 7, 1);
832 INSERT INTO TRANSACTIONS(transaction_id, customer_id,sum_transferred,approval)
833 values (5, 3, 250, 1);
834
835 INSERT INTO TRANSACTION_LINES(transaction_id, product_id,quantity_sold)
836 values (transactions_seq.nextval, 7, 1);
837 INSERT INTO TRANSACTION_LINES(transaction_id, product_id,quantity_sold)
838 values (6, 8, 1);
839 INSERT INTO TRANSACTIONS(transaction_id, customer_id,sum_transferred,approval)
840 values (6, 7, 650, 1);
841
842
843 commit
844
845 select j.job_name, d.department_id, d.department_name, e.last_name, e.first_name,e.hire_date,j.base_salary as MinSAL,
846 nvl(to_char(dd.max_salary), 'Salaritul de baza') as Max_SAL, nvl(to_char(r.rank_name), 'Fara rank') as RANK
847 from employees e
Task completed in 0 seconds
```