**Needle Craft DDL**

CREATE TABLE locations

(loc\_id NUMBER (4) NOT NULL,

loc\_name VARCHAR2(20) NOT NULL,

loc\_email VARCHAR2(50),

loc\_phone VARCHAR2(12),

loc\_address VARCHAR2(100),

loc\_city VARCHAR2(30),

loc\_state VARCHAR2(20),

loc\_zip VARCHAR2(5),

CONSTRAINT locations\_loc\_id\_pk PRIMARY KEY (loc\_id),

CONSTRAINT locations\_loc\_name\_uk UNIQUE (loc\_name));

Graphical user interface, text, application

Description automatically generated

CREATE TABLE customer

(cust\_id NUMBER(6),

cust\_fname VARCHAR2(20),

cust\_lname VARCHAR2(30),

cust\_dob DATE,

cust\_email VARCHAR2(50),

cust\_phone VARCHAR2(12),

cust\_address VARCHAR2(100),

cust\_city VARCHAR2(30),

cust\_state VARCHAR2(20),

cust\_zip VARCHAR2(5),

CONSTRAINT customer\_cust\_id\_pk PRIMARY KEY (cust\_id));

Graphical user interface, text, application

Description automatically generated

SELECT sysdate, 'Kelly Johnson' FROM dual;

CREATE TABLE employee

(emp\_id NUMBER(6),

loc\_id NUMBER (4),

emp\_fname VARCHAR2(20),

emp\_lname VARCHAR2(30),

emp\_dob DATE,

emp\_email VARCHAR2(50),

emp\_phone VARCHAR2(12),

emp\_address VARCHAR2(100),

emp\_city VARCHAR2(30),

emp\_state VARCHAR2(20),

emp\_zip VARCHAR2(5),

emp\_type\_code NUMBER,

CONSTRAINT emp\_uk UNIQUE(emp\_id, emp\_type\_code),

CONSTRAINT emp\_loc\_id\_fk FOREIGN KEY (loc\_id)

REFERENCES locations (loc\_id),

CONSTRAINT employee\_emp\_id\_pk PRIMARY KEY (emp\_id));

Graphical user interface, text, application

Description automatically generated

CREATE TABLE manager (

emp\_id NUMBER(6) NOT NULL,

emp\_type\_code NUMBER NOT NULL,

man\_salary NUMBER (8,2),

CONSTRAINT manager\_pk PRIMARY KEY (emp\_id),

CONSTRAINT manager\_ck CHECK (emp\_type\_code = 1),

CONSTRAINT manager\_employee\_fk FOREIGN KEY (emp\_id,emp\_type\_code)

REFERENCES employee (emp\_id,emp\_type\_code));

DESC manager;

Graphical user interface, text, application

Description automatically generated

CREATE TABLE tat\_artist (

emp\_id NUMBER(6) NOT NULL,

emp\_type\_code NUMBER NOT NULL,

tat\_pay NUMBER (8,2),

tat\_lic VARCHAR2(25) NOT NULL,

CONSTRAINT tat\_artist\_pk PRIMARY KEY (emp\_id),

CONSTRAINT tat\_artist\_ck CHECK (emp\_type\_code = 2),

CONSTRAINT tat\_artist\_employee\_fk FOREIGN KEY (emp\_id,emp\_type\_code)

REFERENCES employee (emp\_id,emp\_type\_code));

DESC tat\_artist;

Graphical user interface, application

Description automatically generated

SELECT sysdate, 'Kelly Johnson' FROM dual;

CREATE TABLE piercer (

emp\_id NUMBER(6) NOT NULL,

emp\_type\_code NUMBER NOT NULL,

pier\_pay NUMBER (8,2),

pier\_lic VARCHAR2(25) NOT NULL,

CONSTRAINT pier\_pk PRIMARY KEY (emp\_id),

CONSTRAINT pier\_ck CHECK (emp\_type\_code = 3),

CONSTRAINT pier\_employee\_fk FOREIGN KEY (emp\_id,emp\_type\_code)

REFERENCES employee (emp\_id,emp\_type\_code));

DESC piercer;

Graphical user interface, text

Description automatically generated

CREATE TABLE hourly (

emp\_id NUMBER(6) NOT NULL,

emp\_type\_code NUMBER NOT NULL,

hour\_pay NUMBER (8,2),

hour\_desc VARCHAR2(200) NOT NULL,

CONSTRAINT hour\_pk PRIMARY KEY (emp\_id),

CONSTRAINT hour\_ck CHECK (emp\_type\_code = 4),

CONSTRAINT hour\_employee\_fk FOREIGN KEY (emp\_id,emp\_type\_code)

REFERENCES employee (emp\_id,emp\_type\_code));

DESC hourly;

Graphical user interface, text

Description automatically generated

CREATE TABLE appointment (

appt\_id NUMBER(8) NOT NULL,

appt\_date TIMESTAMP,

cust\_id NUMBER (6) NOT NULL,

emp\_id NUMBER (6) NOT NULL,

loc\_id NUMBER(4) NOT NULL,

CONSTRAINT appt\_id\_pk PRIMARY KEY (appt\_id),

CONSTRAINT cust\_id\_fk FOReiGN KEY (cust\_id)

REFERENCES customer (cust\_id),

CONSTRAINT emp\_id\_fk FOREIGN KEY (emp\_id)

REFERENCES employee (emp\_id),

CONSTRAINT loc\_id\_fk FOREIGN KEY (loc\_id)

REFERENCES locations (loc\_id));

DESC appointment;

Graphical user interface, text

Description automatically generated

SELECT sysdate, 'Kelly Johnson' FROM dual;

DROP TABLE inventory;

CREATE TABLE inventory (

inv\_id NUMBER (6) NOT NULL,

loc\_id NUMBER(4),

inv\_type VARCHAR2(20),

inv\_name VARCHAR2(25),

cust\_id NUMBER (6),

CONSTRAINT inv\_id\_pk PRIMARY KEY (inv\_id),

CONSTRAINT inv\_loc\_id\_fk FOREIGN KEY (loc\_id)

REFERENCES locations (loc\_id),

CONSTRAINT inv\_cust\_id\_fk FOREIGN KEY (cust\_id)

REFERENCES customer (cust\_id));

DESC inventory;

Text

Description automatically generated

SELECT sysdate, 'Kelly Johnson' FROM dual;

CREATE TABLE service

(serv\_id NUMBER(6),

loc\_id NUMBER (4),

appt\_id NUMBER(8),

serv\_name VARCHAR2(20),

serv\_price NUMBER(7,2),

serv\_duration NUMBER(5,2),

serv\_type\_code NUMBER,

CONSTRAINT serv\_id\_pk PRIMARY KEY (serv\_id),

CONSTRAINT serv\_uk UNIQUE(serv\_id, serv\_type\_code),

CONSTRAINT serv\_loc\_id\_fk FOREIGN KEY (loc\_id)

REFERENCES locations (loc\_id),

CONSTRAINT serv\_appt\_id\_fk FOREIGN KEY (appt\_id)

REFERENCES appointment (appt\_id));

DESC service;

Text

Description automatically generated

CREATE TABLE tattoo (

serv\_id NUMBER(6) NOT NULL,

serv\_type\_code NUMBER NOT NULL,

tat\_cost NUMBER (8,2),

tat\_desc VARCHAR2(200) NOT NULL,

CONSTRAINT tat\_pk PRIMARY KEY (serv\_id),

CONSTRAINT tat\_ck CHECK (serv\_type\_code = 1),

CONSTRAINT tat\_serv\_fk FOREIGN KEY (serv\_id,serv\_type\_code)

REFERENCES service (serv\_id,serv\_type\_code));

DESC tattoo;

Graphical user interface, text, application

Description automatically generated

SELECT sysdate, 'Kelly Johnson' FROM dual;

CREATE TABLE pierce (

serv\_id NUMBER(6) NOT NULL,

serv\_type\_code NUMBER NOT NULL,

pier\_cost NUMBER (8,2),

pier\_desc VARCHAR2(200) NOT NULL,

CONSTRAINT pier\_serv\_pk PRIMARY KEY (serv\_id),

CONSTRAINT pier\_serv\_ck CHECK (serv\_type\_code = 2),

CONSTRAINT pier\_serv\_fk FOREIGN KEY (serv\_id,serv\_type\_code)

REFERENCES service (serv\_id,serv\_type\_code));

DESC pierce;

Graphical user interface, text, application

Description automatically generated

CREATE TABLE "APPOINTMENT"

( "APPT\_ID" NUMBER(8,0) NOT NULL ENABLE,

"APPT\_DATE" TIMESTAMP (6),

"CUST\_ID" NUMBER(6,0) NOT NULL ENABLE,

"EMP\_ID" NUMBER(6,0) NOT NULL ENABLE,

"LOC\_ID" NUMBER(4,0) NOT NULL ENABLE,

CONSTRAINT "APPT\_ID\_PK" PRIMARY KEY ("APPT\_ID")

USING INDEX ENABLE

) DEFAULT COLLATION "USING\_NLS\_COMP"

/

CREATE TABLE "CUSTOMER"

( "CUST\_ID" NUMBER(6,0),

"CUST\_FNAME" VARCHAR2(20) COLLATE "USING\_NLS\_COMP",

"CUST\_LNAME" VARCHAR2(30) COLLATE "USING\_NLS\_COMP",

"CUST\_DOB" DATE,

"CUST\_EMAIL" VARCHAR2(50) COLLATE "USING\_NLS\_COMP",

"CUST\_PHONE" VARCHAR2(12) COLLATE "USING\_NLS\_COMP",

"CUST\_ADDRESS" VARCHAR2(100) COLLATE "USING\_NLS\_COMP",

"CUST\_CITY" VARCHAR2(30) COLLATE "USING\_NLS\_COMP",

"CUST\_STATE" VARCHAR2(20) COLLATE "USING\_NLS\_COMP",

"CUST\_ZIP" VARCHAR2(5) COLLATE "USING\_NLS\_COMP",

CONSTRAINT "CUSTOMER\_CUST\_ID\_PK" PRIMARY KEY ("CUST\_ID")

USING INDEX ENABLE

) DEFAULT COLLATION "USING\_NLS\_COMP"

/

CREATE TABLE "EMPLOYEE"

( "EMP\_ID" NUMBER(6,0),

"LOC\_ID" NUMBER(4,0),

"EMP\_FNAME" VARCHAR2(20) COLLATE "USING\_NLS\_COMP",

"EMP\_LNAME" VARCHAR2(30) COLLATE "USING\_NLS\_COMP",

"EMP\_DOB" DATE,

"EMP\_EMAIL" VARCHAR2(50) COLLATE "USING\_NLS\_COMP",

"EMP\_PHONE" VARCHAR2(12) COLLATE "USING\_NLS\_COMP",

"EMP\_ADDRESS" VARCHAR2(100) COLLATE "USING\_NLS\_COMP",

"EMP\_CITY" VARCHAR2(30) COLLATE "USING\_NLS\_COMP",

"EMP\_STATE" VARCHAR2(20) COLLATE "USING\_NLS\_COMP",

"EMP\_ZIP" VARCHAR2(5) COLLATE "USING\_NLS\_COMP",

"EMP\_TYPE\_CODE" NUMBER,

CONSTRAINT "EMPLOYEE\_EMP\_ID\_PK" PRIMARY KEY ("EMP\_ID")

USING INDEX ENABLE,

CONSTRAINT "EMP\_UK" UNIQUE ("EMP\_ID", "EMP\_TYPE\_CODE")

USING INDEX ENABLE

) DEFAULT COLLATION "USING\_NLS\_COMP"

/

CREATE TABLE "HOURLY"

( "EMP\_ID" NUMBER(6,0) NOT NULL ENABLE,

"EMP\_TYPE\_CODE" NUMBER NOT NULL ENABLE,

"HOUR\_PAY" NUMBER(8,2),

"HOUR\_DESC" VARCHAR2(200) COLLATE "USING\_NLS\_COMP" NOT NULL ENABLE,

CONSTRAINT "HOUR\_CK" CHECK (emp\_type\_code = 4) ENABLE,

CONSTRAINT "HOUR\_PK" PRIMARY KEY ("EMP\_ID")

USING INDEX ENABLE

) DEFAULT COLLATION "USING\_NLS\_COMP"

/

CREATE TABLE "INVENTORY"

( "INV\_ID" NUMBER(6,0) NOT NULL ENABLE,

"LOC\_ID" NUMBER(4,0),

"INV\_TYPE" VARCHAR2(20) COLLATE "USING\_NLS\_COMP",

"INV\_NAME" VARCHAR2(25) COLLATE "USING\_NLS\_COMP",

"CUST\_ID" NUMBER(6,0),

CONSTRAINT "INV\_ID\_PK" PRIMARY KEY ("INV\_ID")

USING INDEX ENABLE

) DEFAULT COLLATION "USING\_NLS\_COMP"

/

CREATE TABLE "LOCATIONS"

( "LOC\_ID" NUMBER(4,0) NOT NULL ENABLE,

"LOC\_NAME" VARCHAR2(20) COLLATE "USING\_NLS\_COMP" NOT NULL ENABLE,

"LOC\_EMAIL" VARCHAR2(50) COLLATE "USING\_NLS\_COMP",

"LOC\_PHONE" VARCHAR2(12) COLLATE "USING\_NLS\_COMP",

"LOC\_ADDRESS" VARCHAR2(100) COLLATE "USING\_NLS\_COMP",

"LOC\_CITY" VARCHAR2(30) COLLATE "USING\_NLS\_COMP",

"LOC\_STATE" VARCHAR2(20) COLLATE "USING\_NLS\_COMP",

"LOC\_ZIP" VARCHAR2(5) COLLATE "USING\_NLS\_COMP",

CONSTRAINT "LOCATIONS\_LOC\_ID\_PK" PRIMARY KEY ("LOC\_ID")

USING INDEX ENABLE,

CONSTRAINT "LOCATIONS\_LOC\_NAME\_UK" UNIQUE ("LOC\_NAME")

USING INDEX ENABLE

) DEFAULT COLLATION "USING\_NLS\_COMP"

/

CREATE TABLE "MANAGER"

( "EMP\_ID" NUMBER(6,0) NOT NULL ENABLE,

"EMP\_TYPE\_CODE" NUMBER NOT NULL ENABLE,

"MAN\_SALARY" NUMBER(8,2),

CONSTRAINT "MANAGER\_CK" CHECK (emp\_type\_code = 1) ENABLE,

CONSTRAINT "MANAGER\_PK" PRIMARY KEY ("EMP\_ID")

USING INDEX ENABLE

) DEFAULT COLLATION "USING\_NLS\_COMP"

/

CREATE TABLE "PIERCE"

( "SERV\_ID" NUMBER(6,0) NOT NULL ENABLE,

"SERV\_TYPE\_CODE" NUMBER NOT NULL ENABLE,

"PIER\_COST" NUMBER(8,2),

"PIER\_DESC" VARCHAR2(200) COLLATE "USING\_NLS\_COMP" NOT NULL ENABLE,

CONSTRAINT "PIER\_SERV\_CK" CHECK (serv\_type\_code = 2) ENABLE,

CONSTRAINT "PIER\_SERV\_PK" PRIMARY KEY ("SERV\_ID")

USING INDEX ENABLE

) DEFAULT COLLATION "USING\_NLS\_COMP"

/

CREATE TABLE "PIERCER"

( "EMP\_ID" NUMBER(6,0) NOT NULL ENABLE,

"EMP\_TYPE\_CODE" NUMBER NOT NULL ENABLE,

"PIER\_PAY" NUMBER(8,2),

"PIER\_LIC" VARCHAR2(25) COLLATE "USING\_NLS\_COMP" NOT NULL ENABLE,

CONSTRAINT "PIER\_CK" CHECK (emp\_type\_code = 3) ENABLE,

CONSTRAINT "PIER\_PK" PRIMARY KEY ("EMP\_ID")

USING INDEX ENABLE

) DEFAULT COLLATION "USING\_NLS\_COMP"

/

CREATE TABLE "SERVICE"

( "SERV\_ID" NUMBER(6,0),

"LOC\_ID" NUMBER(4,0),

"APPT\_ID" NUMBER(8,0),

"SERV\_NAME" VARCHAR2(20) COLLATE "USING\_NLS\_COMP",

"SERV\_PRICE" NUMBER(7,2),

"SERV\_DURATION" NUMBER(5,2),

"SERV\_TYPE\_CODE" NUMBER,

CONSTRAINT "SERV\_ID\_PK" PRIMARY KEY ("SERV\_ID")

USING INDEX ENABLE,

CONSTRAINT "SERV\_UK" UNIQUE ("SERV\_ID", "SERV\_TYPE\_CODE")

USING INDEX ENABLE

) DEFAULT COLLATION "USING\_NLS\_COMP"

/

CREATE TABLE "TATTOO"

( "SERV\_ID" NUMBER(6,0) NOT NULL ENABLE,

"SERV\_TYPE\_CODE" NUMBER NOT NULL ENABLE,

"TAT\_COST" NUMBER(8,2),

"TAT\_DESC" VARCHAR2(200) COLLATE "USING\_NLS\_COMP" NOT NULL ENABLE,

CONSTRAINT "TAT\_CK" CHECK (serv\_type\_code = 1) ENABLE,

CONSTRAINT "TAT\_PK" PRIMARY KEY ("SERV\_ID")

USING INDEX ENABLE

) DEFAULT COLLATION "USING\_NLS\_COMP"

/

CREATE TABLE "TAT\_ARTIST"

( "EMP\_ID" NUMBER(6,0) NOT NULL ENABLE,

"EMP\_TYPE\_CODE" NUMBER NOT NULL ENABLE,

"TAT\_PAY" NUMBER(8,2),

"TAT\_LIC" VARCHAR2(25) COLLATE "USING\_NLS\_COMP" NOT NULL ENABLE,

CONSTRAINT "TAT\_ARTIST\_CK" CHECK (emp\_type\_code = 2) ENABLE,

CONSTRAINT "TAT\_ARTIST\_PK" PRIMARY KEY ("EMP\_ID")

USING INDEX ENABLE

) DEFAULT COLLATION "USING\_NLS\_COMP"

/

ALTER TABLE "APPOINTMENT" ADD CONSTRAINT "CUST\_ID\_FK" FOREIGN KEY ("CUST\_ID")

REFERENCES "CUSTOMER" ("CUST\_ID") ENABLE

/

ALTER TABLE "APPOINTMENT" ADD CONSTRAINT "EMP\_ID\_FK" FOREIGN KEY ("EMP\_ID")

REFERENCES "EMPLOYEE" ("EMP\_ID") ENABLE

/

ALTER TABLE "EMPLOYEE" ADD CONSTRAINT "EMP\_LOC\_ID\_FK" FOREIGN KEY ("LOC\_ID")

REFERENCES "LOCATIONS" ("LOC\_ID") ENABLE

/

ALTER TABLE "HOURLY" ADD CONSTRAINT "HOUR\_EMPLOYEE\_FK" FOREIGN KEY ("EMP\_ID", "EMP\_TYPE\_CODE")

REFERENCES "EMPLOYEE" ("EMP\_ID", "EMP\_TYPE\_CODE") ENABLE

/

ALTER TABLE "INVENTORY" ADD CONSTRAINT "INV\_CUST\_ID\_FK" FOREIGN KEY ("CUST\_ID")

REFERENCES "CUSTOMER" ("CUST\_ID") ENABLE

/

ALTER TABLE "INVENTORY" ADD CONSTRAINT "INV\_LOC\_ID\_FK" FOREIGN KEY ("LOC\_ID")

REFERENCES "LOCATIONS" ("LOC\_ID") ENABLE

/

ALTER TABLE "APPOINTMENT" ADD CONSTRAINT "LOC\_ID\_FK" FOREIGN KEY ("LOC\_ID")

REFERENCES "LOCATIONS" ("LOC\_ID") ENABLE

/

ALTER TABLE "MANAGER" ADD CONSTRAINT "MANAGER\_EMPLOYEE\_FK" FOREIGN KEY ("EMP\_ID", "EMP\_TYPE\_CODE")

REFERENCES "EMPLOYEE" ("EMP\_ID", "EMP\_TYPE\_CODE") ENABLE

/

ALTER TABLE "PIERCER" ADD CONSTRAINT "PIER\_EMPLOYEE\_FK" FOREIGN KEY ("EMP\_ID", "EMP\_TYPE\_CODE")

REFERENCES "EMPLOYEE" ("EMP\_ID", "EMP\_TYPE\_CODE") ENABLE

/

ALTER TABLE "PIERCE" ADD CONSTRAINT "PIER\_SERV\_FK" FOREIGN KEY ("SERV\_ID", "SERV\_TYPE\_CODE")

REFERENCES "SERVICE" ("SERV\_ID", "SERV\_TYPE\_CODE") ENABLE

/

ALTER TABLE "SERVICE" ADD CONSTRAINT "SERV\_APPT\_ID\_FK" FOREIGN KEY ("APPT\_ID")

REFERENCES "APPOINTMENT" ("APPT\_ID") ENABLE

/

ALTER TABLE "SERVICE" ADD CONSTRAINT "SERV\_LOC\_ID\_FK" FOREIGN KEY ("LOC\_ID")

REFERENCES "LOCATIONS" ("LOC\_ID") ENABLE

/

ALTER TABLE "TAT\_ARTIST" ADD CONSTRAINT "TAT\_ARTIST\_EMPLOYEE\_FK" FOREIGN KEY ("EMP\_ID", "EMP\_TYPE\_CODE")

REFERENCES "EMPLOYEE" ("EMP\_ID", "EMP\_TYPE\_CODE") ENABLE

/

ALTER TABLE "TATTOO" ADD CONSTRAINT "TAT\_SERV\_FK" FOREIGN KEY ("SERV\_ID", "SERV\_TYPE\_CODE")

REFERENCES "SERVICE" ("SERV\_ID", "SERV\_TYPE\_CODE") ENABLE

/

CREATE OR REPLACE EDITIONABLE SYNONYM "DBMS\_XPLAN" FOR "LIVESQL"."ORACLE\_SQL\_USER\_XPLAN"

/

CREATE OR REPLACE EDITIONABLE SYNONYM "V$SESSION" FOR "LIVESQL"."ORACLE\_SQL\_USER\_V$SESSION"

/

CREATE OR REPLACE EDITIONABLE SYNONYM "V$SQL\_PLAN\_STATISTICS\_ALL" FOR "LIVESQL"."ORACLE\_SQL\_USER\_V$SQL\_PLAN\_S\_A"

/