DROP TABLE EMPLOYEE CASCADE CONSTRAINTS;

DROP TABLE COMPANY CASCADE CONSTRAINTS;

DROP TABLE CONTRACT CASCADE CONSTRAINTS;

DROP TABLE MATERIAL CASCADE CONSTRAINTS;

DROP TABLE ITEM CASCADE CONSTRAINTS;

DROP TABLE BOM CASCADE CONSTRAINTS;

DROP TABLE WORKER CASCADE CONSTRAINTS;

DROP TABLE WORK CASCADE CONSTRAINTS;

DROP TABLE PROCESS CASCADE CONSTRAINTS;

DROP TABLE PROCESS\_INFO CASCADE CONSTRAINTS;

DROP TABLE MACHINE\_INFO CASCADE CONSTRAINTS;

DROP TABLE MACHINE\_WORK CASCADE CONSTRAINTS;

DROP TABLE MACHINE\_REPAIR CASCADE CONSTRAINTS;

DROP TABLE MACHINE\_CHECK\_RECORD CASCADE CONSTRAINTS;

DROP TABLE MACHINE\_CHECK\_INFO CASCADE CONSTRAINTS;

DROP TABLE INVENTORY CASCADE CONSTRAINTS;

DROP TABLE QUALITY\_INSPECTION CASCADE CONSTRAINTS;

DROP TABLE QUALITY\_STANDARD CASCADE CONSTRAINTS;

DROP TABLE INSTRUCTION CASCADE CONSTRAINTS;

DELETE FROM EMPLOYEE;

DELETE FROM COMPANY;

DELETE FROM CONTRACT;

DELETE FROM MATERIAL;

DELETE FROM ITEM;

DELETE FROM BOM;

DELETE FROM WORKER;

DELETE FROM WORK;

DELETE FROM PROCESS;

DELETE FROM PROCESS\_INFO;

DELETE FROM MACHINE\_INFO;

DELETE FROM MACHINE\_WORK;

DELETE FROM MACHINE\_REPAIR;

DELETE FROM MACHINE\_CHECK\_RECORD;

DELETE FROM MACHINE\_CHECK\_INFO;

DELETE FROM INVENTORY;

DELETE FROM QUALITY\_INSPECTION;

DELETE FROM QUALITY\_STANDARD;

DELETE FROM INSTRUCTION;

DROP SEQUENCE EMPLOYEE\_SEQ;

DROP SEQUENCE COMPANY\_SEQ;

DROP SEQUENCE CONTRACT\_SEQ;

DROP SEQUENCE MATERIAL\_SEQ;

DROP SEQUENCE ITEM\_SEQ;

DROP SEQUENCE WORK\_SEQ;

DROP SEQUENCE PROCESS\_SEQ;

DROP SEQUENCE PROCESS\_INFO\_SEQ;

DROP SEQUENCE MACHINE\_INFO\_SEQ;

DROP SEQUENCE MACHINE\_REPAIR\_SEQ;

DROP SEQUENCE MACHINE\_CHECK\_RECORD\_SEQ;

DROP SEQUENCE MACHINE\_CHECK\_INFO\_SEQ;

DROP SEQUENCE INVENTORY\_SEQ;

DROP SEQUENCE QUALITY\_INSPECTION\_SEQ;

DROP SEQUENCE QUALITY\_STANDARD\_SEQ;

DROP SEQUENCE INSTRUCTION\_SEQ;

-- PROCESS\_INFO 시퀀스

create sequence PROCESS\_INFO\_SEQ

increment by 1

start with 1066

maxvalue 10000

nocache

;

-- QUALITY\_STANDARD 시퀀스

create sequence QUALITY\_STANDARD\_SEQ

increment by 1

start with 10014

maxvalue 100000

nocache

;

-- EMPLOYEE 시퀀스

create sequence EMPLOYEE\_SEQ

increment by 1

start with 100138

maxvalue 200000

nocache

;

-- COMPANY 시퀀스

create sequence COMPANY\_SEQ

increment by 1

start with 200071

maxvalue 300000

nocache

;

-- INSTRUCTION 시퀀스

create sequence INSTRUCTION\_SEQ

increment by 1

start with 300001

maxvalue 1000000

nocache

;

-- CONTRACT 시퀀스

create sequence CONTRACT\_SEQ

increment by 1

start with 1000031

maxvalue 2000000

nocache

;

-- MACHINE\_INFO 시퀀스

create sequence MACHINE\_INFO\_SEQ

increment by 1

start with 6000104

maxvalue 8000000

nocache

;

-- MACHINE\_CHECK\_INFO 시퀀스

create sequence MACHINE\_CHECK\_INFO\_SEQ

increment by 1

start with 8000038

maxvalue 10000000

nocache

;

-- ITEM 시퀀스

create sequence ITEM\_SEQ

increment by 1

start with 10000106

maxvalue 20000000

nocache

;

-- MATERIAL 시퀀스

create sequence MATERIAL\_SEQ

increment by 1

start with 20000043

maxvalue 30000000

nocache

;

-- WORK 시퀀스

create sequence WORK\_SEQ

increment by 1

start with 7

maxvalue 9999999999

nocache

;

-- MACHINE\_REPAIR 시퀀스

create sequence MACHINE\_REPAIR\_SEQ

increment by 1

start with 1

maxvalue 9999999999

nocache

;

-- MACHINE\_CHECK\_RECORD 시퀀스

create sequence MACHINE\_CHECK\_RECORD\_SEQ

increment by 1

start with 1

maxvalue 9999999999

nocache

;

-- QUALITY\_INSPECTION 시퀀스

create sequence QUALITY\_INSPECTION\_SEQ

increment by 1

start with 1

maxvalue 9999999999

nocache

;

CREATE TABLE EMPLOYEE (

E\_ID NUMBER(10) NOT NULL,

E\_NAME VARCHAR2(4char) NOT NULL,

E\_EMAIL VARCHAR2(50char) NOT NULL,

E\_PH VARCHAR2(11char) NOT NULL,

E\_PWD VARCHAR2(10char) NOT NULL,

E\_DP\_NAME VARCHAR2(10char) NOT NULL,

E\_ROLE VARCHAR2(15char) NOT NULL,

PRIMARY KEY (E\_ID)

);

CREATE TABLE COMPANY (

C\_ID NUMBER(10) NOT NULL,

C\_NAME VARCHAR2(10char) NOT NULL,

C\_EMAIL VARCHAR2(50char) NOT NULL,

C\_DIV VARCHAR2(4char) NOT NULL,

C\_ADDRESS VARCHAR2(100char) NOT NULL,

C\_PH VARCHAR2(11char) NOT NULL,

PRIMARY KEY (C\_ID)

);

CREATE TABLE CONTRACT (

CT\_ID NUMBER(10) NOT NULL,

CT\_Company\_ID NUMBER(10) NOT NULL,

CT\_Material\_ID NUMBER(10),

CT\_ITEM\_ID NUMBER(10),

CT\_DIV VARCHAR2(10char) NOT NULL,

CT\_AMOUT\_MONEY NUMBER(10) NOT NULL,

CT\_DATE DATE NOT NULL,

CT\_UNIT VARCHAR2(5char) NOT NULL,

CT\_QUANTITY NUMBER(10) NOT NULL,

CT\_REAL\_QUANTITY NUMBER(10),

CT\_IB\_DATE DATE,

CT\_OB\_DATE DATE,

CT\_REAL\_IB\_DATE DATE,

CT\_REAL\_OB\_DATE DATE,

PRIMARY KEY (CT\_ID)

);

CREATE TABLE MATERIAL (

M\_ID NUMBER(10) NOT NULL,

M\_NAME VARCHAR2(10char) NOT NULL,

M\_USES VARCHAR2(10char) NOT NULL,

PRIMARY KEY (M\_ID)

);

CREATE TABLE ITEM (

I\_ID NUMBER(10) NOT NULL,

I\_NAME VARCHAR2(50char) NOT NULL,

I\_COLOR VARCHAR2(10char) NOT NULL,

I\_STANDARD VARCHAR2(50char) NOT NULL,

I\_TYPE VARCHAR2(10char) NOT NULL,

I\_USES VARCHAR2(10char) NOT NULL,

PRIMARY KEY (I\_ID)

);

CREATE TABLE BOM (

B\_ITEM\_ID NUMBER(10) NOT NULL,

B\_MATERIAL\_ID NUMBER(10) NOT NULL,

B\_UNIT VARCHAR2(5char) NOT NULL,

B\_MATERIAL\_QUANTITY NUMBER(10) NOT NULL

);

CREATE TABLE WORKER (

WR\_EMP\_ID NUMBER(10) NOT NULL,

WR\_WORK\_ID NUMBER(10) NOT NULL,

WR\_START\_TIME TIMESTAMP NOT NULL,

WR\_END\_TIME TIMESTAMP NOT NULL

);

CREATE TABLE WORK (

W\_ID NUMBER(10) DEFAULT WORK\_SEQ.NEXTVAL NOT NULL,

W\_LOT\_ID NUMBER(10) NOT NULL,

W\_PI\_ID NUMBER(10) NOT NULL,

W\_START\_TIME TIMESTAMP,

W\_END\_TIME TIMESTAMP,

W\_TIME NUMBER(10) NOT NULL,

W\_STATUS VARCHAR2(10char) NOT NULL,

W\_PLAN\_QUANTITY NUMBER(10) NOT NULL,

W\_ITEM\_QUANTITY NUMBER(10) DEFAULT 0 NOT NULL,

W\_DFT\_QUANTITY NUMBER(10) DEFAULT 0 NOT NULL,

W\_NOTE VARCHAR2(300char),

PRIMARY KEY (W\_ID)

);

CREATE TABLE PROCESS (

P\_LOT\_ID NUMBER(10) NOT NULL,

P\_PI\_ID NUMBER(10) NOT NULL,

P\_B\_ITEM\_ID NUMBER(10) NOT NULL,

P\_PLAN\_QUANTITY NUMBER(10) NOT NULL,

P\_ITEM\_QUANTITY NUMBER(10) DEFAULT 0 NOT NULL,

P\_DEFECTIVE\_QUANTITY NUMBER(10) DEFAULT 0 NOT NULL,

P\_START\_DATE DATE DEFAULT SYSDATE NOT NULL,

P\_END\_DATE DATE,

P\_STATUS VARCHAR2(10char) NOT NULL,

P\_NOTE VARCHAR2(500char)

);

CREATE TABLE PROCESS\_INFO (

PI\_ID NUMBER(10) NOT NULL,

PI\_MACHINE\_ID NUMBER(10),

PI\_NAME VARCHAR2(30char) NOT NULL,

PI\_SEQ VARCHAR2(10char) NOT NULL

);

CREATE TABLE MACHINE\_INFO (

MI\_ID NUMBER(10) NOT NULL,

MI\_NAME VARCHAR2(50char) NOT NULL,

MI\_POSITION VARCHAR2(50char),

MI\_TYPE VARCHAR2(50char) NOT NULL,

PRIMARY KEY (MI\_ID)

);

CREATE TABLE MACHINE\_WORK (

MW\_MI\_ID NUMBER(10) NOT NULL,

MW\_STATUS VARCHAR2(10char) NOT NULL,

MW\_CONDITION VARCHAR2(10char) NOT NULL,

PRIMARY KEY (MW\_MI\_ID)

);

CREATE TABLE MACHINE\_REPAIR (

MR\_ID NUMBER(10) NOT NULL,

MR\_MI\_ID NUMBER(10) NOT NULL,

MR\_MCR\_ID NUMBER(10) NOT NULL,

MR\_DATE DATE DEFAULT SYSDATE NOT NULL,

PRIMARY KEY (MR\_ID)

);

CREATE TABLE MACHINE\_CHECK\_RECORD (

MCR\_ID NUMBER(10) NOT NULL,

MCR\_MCI\_ID NUMBER(10) NOT NULL,

MCR\_MI\_ID NUMBER(10) NOT NULL,

MCR\_EMP\_ID NUMBER(10) NOT NULL,

MCR\_DATE DATE NOT NULL,

MCR\_ANSWER VARCHAR2(1char) NOT NULL,

MCR\_NOTE VARCHAR2(100char)

);

CREATE TABLE MACHINE\_CHECK\_INFO (

MCI\_ID NUMBER(10) NOT NULL,

MCI\_MI\_ID NUMBER(10) NOT NULL,

MCI\_DIV VARCHAR2(10char) NOT NULL,

MCI\_CONDITION VARCHAR2(100char) NOT NULL,

MCI\_METHOD VARCHAR2(10char) NOT NULL

);

CREATE TABLE INVENTORY (

INV\_MATERIAL\_ID NUMBER(10),

INV\_ITEM\_ID NUMBER(10),

INV\_CT\_ID NUMBER(10),

INV\_LOT\_ID NUMBER(10),

INV\_PI\_ID NUMBER(10),

INV\_DATE DATE DEFAULT SYSDATE,

INV\_QUANTITY NUMBER(10) NOT NULL,

INV\_UNIT VARCHAR2(10char) NOT NULL

);

CREATE TABLE QUALITY\_INSPECTION (

QI\_ID NUMBER(10) default QUALITY\_INSPECTION\_SEQ.nextval NOT NULL,

QI\_CT\_ID NUMBER(10),

QI\_PRO\_LOT\_ID NUMBER(10),

QI\_PI\_ID NUMBER(10),

QI\_WORK\_ID NUMBER(10),

QI\_MATERIAL\_ID NUMBER(10),

QI\_ITEM\_ID NUMBER(10),

QI\_QS\_ID NUMBER(10) NOT NULL,

QI\_INSPECTION\_QUANTITY NUMBER(10),

QI\_PASSED\_QUANTITY NUMBER(10) NOT NULL,

QI\_DFT\_QUANTITY NUMBER(10) DEFAULT 0 NOT NULL,

QI\_DATE DATE DEFAULT SYSDATE NOT NULL,

QI\_NOTE VARCHAR2(300char),

PRIMARY KEY (QI\_ID)

);

CREATE TABLE QUALITY\_STANDARD (

QS\_ID NUMBER(10) default QUALITY\_STANDARD\_SEQ.nextval NOT NULL,

QS\_DF\_DIV1 VARCHAR2(20char) NOT NULL,

QS\_DF\_DIV2 VARCHAR2(20char),

PRIMARY KEY (QS\_ID)

);

CREATE TABLE INSTRUCTION (

INS\_LOT\_ID NUMBER(10) NOT NULL,

INS\_ITEM\_ID NUMBER(10) NOT NULL,

INS\_EMP\_ID NUMBER(10) NOT NULL,

INS\_CT\_ID NUMBER(10) NOT NULL,

INS\_PI\_ID NUMBER(10) NOT NULL,

INS\_LOT\_SIZE NUMBER(10) NOT NULL,

INS\_START\_DATE DATE NOT NULL,

INS\_END\_DATE DATE NOT NULL

);

ALTER TABLE CONTRACT ADD FOREIGN KEY (CT\_Company\_ID) REFERENCES COMPANY(C\_ID);

ALTER TABLE CONTRACT ADD FOREIGN KEY (CT\_ITEM\_ID) REFERENCES ITEM(I\_ID);

ALTER TABLE CONTRACT ADD FOREIGN KEY (CT\_Material\_ID) REFERENCES MATERIAL(M\_ID);

ALTER TABLE BOM ADD FOREIGN KEY (B\_ITEM\_ID) REFERENCES ITEM(I\_ID);

ALTER TABLE BOM ADD FOREIGN KEY (B\_MATERIAL\_ID) REFERENCES MATERIAL(M\_ID);

ALTER TABLE WORKER ADD FOREIGN KEY (WR\_EMP\_ID) REFERENCES EMPLOYEE(E\_ID);

ALTER TABLE WORKER ADD FOREIGN KEY (WR\_WORK\_ID) REFERENCES WORK(W\_ID);

ALTER TABLE PROCESS\_INFO ADD FOREIGN KEY (PI\_MACHINE\_ID) REFERENCES MACHINE\_INFO(MI\_ID);

ALTER TABLE MACHINE\_WORK ADD FOREIGN KEY (MW\_MI\_ID) REFERENCES MACHINE\_INFO(MI\_ID);

ALTER TABLE MACHINE\_REPAIR ADD FOREIGN KEY (MR\_MI\_ID) REFERENCES MACHINE\_INFO(MI\_ID);

ALTER TABLE MACHINE\_CHECK\_RECORD ADD FOREIGN KEY (MCR\_MI\_ID) REFERENCES MACHINE\_INFO(MI\_ID);

ALTER TABLE MACHINE\_CHECK\_RECORD ADD FOREIGN KEY (MCR\_EMP\_ID) REFERENCES EMPLOYEE(E\_ID);

ALTER TABLE MACHINE\_CHECK\_INFO ADD FOREIGN KEY (MCI\_MI\_ID) REFERENCES MACHINE\_INFO(MI\_ID);

ALTER TABLE INVENTORY ADD FOREIGN KEY (INV\_ITEM\_ID) REFERENCES ITEM(I\_ID);

ALTER TABLE INVENTORY ADD FOREIGN KEY (INV\_MATERIAL\_ID) REFERENCES MATERIAL(M\_ID);

ALTER TABLE INVENTORY ADD FOREIGN KEY (INV\_CT\_ID) REFERENCES CONTRACT(CT\_ID);

ALTER TABLE INVENTORY ADD FOREIGN KEY (INV\_WORK\_ID) REFERENCES WORK(W\_ID);

ALTER TABLE QUALITY\_INSPECTION ADD FOREIGN KEY (QI\_PRO\_LOT\_ID) REFERENCES INSTRUCTION(INS\_LOT\_ID);

ALTER TABLE QUALITY\_INSPECTION ADD FOREIGN KEY (QI\_MATERIAL\_ID) REFERENCES MATERIAL(M\_ID);

ALTER TABLE QUALITY\_INSPECTION ADD FOREIGN KEY (QI\_ITEM\_ID) REFERENCES ITEM(I\_ID);

ALTER TABLE QUALITY\_INSPECTION ADD FOREIGN KEY (QI\_CT\_ID) REFERENCES CONTRACT(CT\_ID);

ALTER TABLE QUALITY\_INSPECTION ADD FOREIGN KEY (QI\_QS\_ID) REFERENCES QUALITY\_STANDARD(QS\_ID);

ALTER TABLE INSTRUCTION ADD FOREIGN KEY (INS\_ITEM\_ID) REFERENCES ITEM(I\_ID);

ALTER TABLE INSTRUCTION ADD FOREIGN KEY (INS\_EMP\_ID) REFERENCES EMPLOYEE(E\_ID);

ALTER TABLE INSTRUCTION ADD FOREIGN KEY (INS\_CT\_ID) REFERENCES CONTRACT(CT\_ID);

ALTER TABLE MACHINE\_WORK MODIFY MW\_STATUS DEFAULT '비가동';

ALTER TABLE MACHINE\_WORK MODIFY MW\_CONDITION DEFAULT '이상없음';

ALTER TABLE EMPLOYEE MODIFY E\_PWD DEFAULT '123123';

ALTER TABLE EMPLOYEE MODIFY E\_ROLE DEFAULT 'Role\_Staff';

ALTER TABLE PROCESS MODIFY P\_STATUS DEFAULT '생산대기';

ALTER TABLE WORK MODIFY W\_STATUS DEFAULT '작업전';

ALTER TABLE CONTRACT ADD CONSTRAINT ct\_div\_check CHECK (CT\_DIV IN ('수주', '발주'));

ALTER TABLE MATERIAL ADD CONSTRAINT M\_USES\_CHECK CHECK ( M\_USES IN ('원자재','부자재','반제품'));

ALTER TABLE ITEM ADD CONSTRAINT I\_USES\_CHECK CHECK ( I\_USES IN ('반제품','완제품'));

ALTER TABLE PROCESS ADD CONSTRAINT P\_STATUS\_CHECK CHECK ( P\_STATUS IN ('생산대기', '생산중','생산완료'));

ALTER TABLE WORK ADD CONSTRAINT W\_STATUS\_CHECK CHECK ( W\_STATUS IN ('작업전', '작업중', '작업정지', '작업중단', '작업종료'));

ALTER TABLE MACHINE\_CHECK\_RECORD ADD CONSTRAINT MCR\_ANSWER\_CHECK CHECK ( MCR\_ANSWER IN ('Y','N'));

ALTER TABLE MACHINE\_WORK ADD CONSTRAINT MW\_STATUS CHECK ( MW\_STATUS IN ('가동','비가동','수리중'));

ALTER TABLE MACHINE\_WORK ADD CONSTRAINT MW\_CONDITION CHECK ( MW\_CONDITION IN ('이상없음','수리요청','수리중','수리완료'));

COMMIT;