CREATE TABLE "APEX811"."COMPANIES"

( "COMPANYNAME" VARCHAR2(80 BYTE) CONSTRAINT "COMPANYNAME\_NN" NOT NULL ENABLE,

CONSTRAINT "COMPANYNAME\_PK" PRIMARY KEY ("COMPANYNAME")

);

CREATE TABLE "APEX811"."SITES"

( "SITEID" VARCHAR2(7 BYTE) DEFAULT ON NULL 'S'||LTRIM(TO\_CHAR("APEX811"."SEQ\_SITE\_ID"."NEXTVAL",'09999')) NOT NULL ENABLE,

"SITENAME" VARCHAR2(40 BYTE) CONSTRAINT "SITENAME\_NN" NOT NULL ENABLE,

"ADDRESS" VARCHAR2(200 BYTE) CONSTRAINT "ADDRESS\_NN" NOT NULL ENABLE,

"COMPANYNAME" VARCHAR2(80 BYTE) CONSTRAINT "SITE\_COMPANYNAME\_NN" NOT NULL ENABLE,

"POSTCODE" VARCHAR2(8 BYTE) CONSTRAINT "SITE\_POSTCODE\_NN" NOT NULL ENABLE,

CONSTRAINT "SITEID\_PK" PRIMARY KEY ("SITEID"),

CONSTRAINT "SITE\_POSTCODE\_CHK" CHECK (postcode LIKE '%\_\_\_ \_\_\_') ENABLE,

CONSTRAINT "COMPANYNAME\_FK" FOREIGN KEY ("COMPANYNAME")

REFERENCES "APEX811"."COMPANIES" ("COMPANYNAME") ENABLE

) ;

CREATE SEQUENCE "APEX811"."SEQ\_SITE\_ID" MINVALUE 1 MAXVALUE 99999 INCREMENT BY 1 START WITH 10016 NOCACHE NOORDER CYCLE NOKEEP NOSCALE GLOBAL ;

CREATE TABLE "APEX811"."JOBS"

( "JOBID" VARCHAR2(7 BYTE) DEFAULT ON NULL 'J'||LTRIM(TO\_CHAR("APEX811"."SEQ\_JOB\_ID"."NEXTVAL",'09999')) NOT NULL ENABLE,

"JOBTITLE" VARCHAR2(40 BYTE) CONSTRAINT "JOBS\_JOB\_TITLE\_NN" NOT NULL ENABLE,

"JOBDESCRIPTION" VARCHAR2(2000 BYTE) CONSTRAINT "JOBS\_JOB\_DESCRIPTION\_NN" NOT NULL ENABLE,

"CONTACTEMAIL" VARCHAR2(100 BYTE) CONSTRAINT "JOB\_EMAIL\_NN" NOT NULL ENABLE,

"CONTACTTELEPHONE" VARCHAR2(11 BYTE) CONSTRAINT "JOB\_TELEPHONE\_NN" NOT NULL ENABLE,

"SALARY" NUMBER(7,2),

"STARTDATE" DATE,

"VACANCIESAVAILABLE" NUMBER(2,0),

"APPLICATIONCLOSINGDATE" DATE CONSTRAINT "JOBS\_APPLICATION\_CLOSING\_DATE\_NN" NOT NULL ENABLE,

"APPLICATIONMETHOD" VARCHAR2(30 BYTE) CONSTRAINT "JOBS\_APPLICATION\_METHOD\_NN" NOT NULL ENABLE,

"SITEID" VARCHAR2(7 BYTE) CONSTRAINT "SITEID\_NN" NOT NULL ENABLE,

CONSTRAINT "JOBS\_JOB\_ID\_PK" PRIMARY KEY ("JOBID"),

CONSTRAINT "JOB\_EMAIL\_CHK" CHECK (contactemail LIKE '%\_@\_\_\_%.\_\_%') ENABLE,

CONSTRAINT "JOB\_MOBILE\_CHK" CHECK (contacttelephone NOT LIKE '%[^0-9]%') ENABLE,

CONSTRAINT "JOBS\_SITE\_ID\_FK" FOREIGN KEY ("SITEID")

REFERENCES "APEX811"."SITES" ("SITEID") ENABLE

) ;

CREATE SEQUENCE "APEX811"."SEQ\_JOB\_ID" MINVALUE 1 MAXVALUE 99999 INCREMENT BY 1 START WITH 10024 NOCACHE NOORDER CYCLE NOKEEP NOSCALE GLOBAL ;

CREATE TABLE "APEX811"."PROGRAMMES"

( "PROGRAMME\_CODE" CHAR(4 BYTE),

"PROGRAMME\_NAME" VARCHAR2(60 BYTE) CONSTRAINT "PROGRAME\_NAME\_NN" NOT NULL ENABLE,

"PLACEMENT\_MANDATORY" CHAR(1 BYTE),

CONSTRAINT "PROGRAMME\_CODE\_PK" PRIMARY KEY ("PROGRAMME\_CODE")

) ;

CREATE TABLE "APEX811"."STUDENTS"

( "STUDENTID" NUMBER DEFAULT ON NULL "APEX811"."SEQ\_STUDENT\_ID"."NEXTVAL" NOT NULL ENABLE,

"USERNAME" VARCHAR2(20 BYTE) CONSTRAINT "USERNAME\_NN" NOT NULL ENABLE,

"PASSWORD" VARCHAR2(20 BYTE) CONSTRAINT "PASSWORD\_NN" NOT NULL ENABLE,

"FIRSTNAME" VARCHAR2(30 BYTE) CONSTRAINT "FIRSTNAME\_NN" NOT NULL ENABLE,

"LASTNAME" VARCHAR2(45 BYTE) CONSTRAINT "LASTNAME\_NN" NOT NULL ENABLE,

"EMAIL" VARCHAR2(100 BYTE) CONSTRAINT "STUDENT\_EMAIL\_NN" NOT NULL ENABLE,

"MOBILE" VARCHAR2(11 BYTE),

"LANDLINE" VARCHAR2(11 BYTE),

"PROGRAMME\_CODE" CHAR(4 BYTE) CONSTRAINT "PROGRAMME\_CODE\_NN" NOT NULL ENABLE,

"DOB" DATE CONSTRAINT "DOB\_NN" NOT NULL ENABLE,

"PREFERENCE" VARCHAR2(2000 BYTE),

"TERMADDRESS" VARCHAR2(200 BYTE) CONSTRAINT "STUDENT\_TERMADDRESS\_NN" NOT NULL ENABLE,

"TERMPOSTCODE" VARCHAR2(8 BYTE) CONSTRAINT "STUDENT\_TERMPOSTCODE\_NN" NOT NULL ENABLE,

"HOMEADDRESS" VARCHAR2(200 BYTE) CONSTRAINT "STUDENT\_HOMEADDRESS\_NN" NOT NULL ENABLE,

"HOMEPOSTCODE" VARCHAR2(8 BYTE) CONSTRAINT "STUDENT\_HOMEPOSTCODE\_NN" NOT NULL ENABLE,

"CVSUBMITTED" DATE,

"CVACCEPTED" DATE,

CONSTRAINT "STUDENTID\_PK" PRIMARY KEY ("STUDENTID"),

CONSTRAINT "STUDENT\_EMAIL\_CHK" CHECK (email LIKE '%\_@\_\_\_%.\_\_%') ENABLE,

CONSTRAINT "STUDENT\_MOBILE\_CHK" CHECK (mobile NOT LIKE '%[^0-9]%') ENABLE,

CONSTRAINT "STUDENT\_LANDLINE\_CHK" CHECK (landline NOT LIKE '%[^0-9]%') ENABLE,

CONSTRAINT "STUDENT\_TERMPOSTCODE\_CHK" CHECK (termpostcode LIKE '%\_\_\_ \_\_\_') ENABLE,

CONSTRAINT "STUDENT\_HOMEPOSTCODE\_CHK" CHECK (homepostcode LIKE '%\_\_\_ \_\_\_') ENABLE,

CONSTRAINT "FK\_PROGRAMME\_CODE" FOREIGN KEY ("PROGRAMME\_CODE")

REFERENCES "APEX811"."PROGRAMMES" ("PROGRAMME\_CODE") ENABLE

) ;

CREATE SEQUENCE "APEX811"."SEQ\_STUDENT\_ID" MINVALUE 1 MAXVALUE 999999 INCREMENT BY 1 START WITH 100042 NOCACHE NOORDER CYCLE NOKEEP NOSCALE GLOBAL ;

CREATE OR REPLACE EDITIONABLE TRIGGER "APEX811"."TRG\_CV\_ACCEPTED"

BEFORE UPDATE OF CVACCEPTED ON STUDENTS FOR EACH ROW

BEGIN

IF :OLD.CVSUBMITTED IS NULL

THEN :NEW.CVACCEPTED := NULL;

END IF;

END;

/

ALTER TRIGGER "APEX811"."TRG\_CV\_ACCEPTED" ENABLE;

CREATE OR REPLACE EDITIONABLE TRIGGER "APEX811"."TRG\_DOB"

BEFORE INSERT OR UPDATE OF DOB ON STUDENTS FOR EACH ROW

BEGIN

IF (:NEW.dob + NUMTOYMINTERVAL(18,'YEAR')) >

SYSDATE THEN

RAISE\_APPLICATION\_ERROR(-18, 'Student must be at least 18 years old');

END IF;

END;

/

ALTER TRIGGER "APEX811"."TRG\_DOB" ENABLE;

CREATE TABLE "APEX811"."APPLICATIONS"

( "APPLICATIONID" VARCHAR2(9 BYTE) DEFAULT ON NULL 'A'||LTRIM(TO\_CHAR("APEX811"."SEQ\_APPLICATION\_ID"."NEXTVAL",'0999999')) NOT NULL ENABLE,

"STUDENTID" NUMBER CONSTRAINT "STUDENT\_ID\_NN" NOT NULL ENABLE,

"JOBID" VARCHAR2(7 BYTE) CONSTRAINT "JOB\_ID\_NN" NOT NULL ENABLE,

"APPLICATIONSTATUS" VARCHAR2(28 BYTE) CONSTRAINT "APPLICATIONSTATUS\_NN" NOT NULL ENABLE,

"STATUSDATE" DATE,

CONSTRAINT "APPLICATION\_ID\_PK" PRIMARY KEY ("APPLICATIONID"),

CONSTRAINT "APPLICATIONS\_STUDENT\_ID\_FK" FOREIGN KEY ("STUDENTID")

REFERENCES "APEX811"."STUDENTS" ("STUDENTID") ENABLE,

CONSTRAINT "FK\_JOBID" FOREIGN KEY ("JOBID")

REFERENCES "APEX811"."JOBS" ("JOBID") ENABLE

) ;

CREATE SEQUENCE "APEX811"."SEQ\_APPLICATION\_ID" MINVALUE 1 MAXVALUE 9999999 INCREMENT BY 1 START WITH 1000029 NOCACHE NOORDER CYCLE NOKEEP NOSCALE GLOBAL ;

CREATE OR REPLACE EDITIONABLE TRIGGER "APEX811"."TRG\_APPLICATION\_UPDATE"

BEFORE UPDATE OF APPLICATIONSTATUS, STATUSDATE ON APPLICATIONS FOR EACH ROW

BEGIN

INSERT INTO APPLICATIONHISTORIES

(

APPLICATIONID, APPLICATIONSTATUS, STATUSDATE

)

VALUES

(

:OLD.APPLICATIONID, :OLD.APPLICATIONSTATUS, :OLD.STATUSDATE

);

END;

ALTER TRIGGER "APEX811"."TRG\_APPLICATION\_UPDATE" ENABLE;

CREATE TABLE "APEX811"."APPLICATIONHISTORIES"

( "APPLICATIONID" VARCHAR2(9 BYTE),

"APPLICATIONSTATUS" VARCHAR2(28 BYTE) CONSTRAINT "APPLICATIONHISTORIESSTATUS\_NN" NOT NULL ENABLE,

"STATUSDATE" DATE,

CONSTRAINT "APPLICATIONHISTORIES\_PK" PRIMARY KEY ("APPLICATIONID", "APPLICATIONSTATUS"),

CONSTRAINT "APPLICATION\_HISTORIES\_ID\_FK" FOREIGN KEY ("APPLICATIONID")

REFERENCES "APEX811"."APPLICATIONS" ("APPLICATIONID") ENABLE

) ;