THE QUESTIONS 3, 4, 5, 6 and 7 REFER TO THE RELATIONAL TABLES LISTED BELOW

```
CREATE TABLE APPLICANT(                          /* Applicants              */
anumber      NUMBER(6)   NOT NULL,               /* Applicant number        */
fname        VARCHAR(20) NOT NULL,               /* First name              */
lname        VARCHAR(30) NOT NULL,               /* Last name               */
dob          DATE        NOT NULL,               /* Date of birth           */
city         VARCHAR(30) NOT NULL,               /* City                    */
phone        DECIMAL(10) NOT NULL,               /* Phone number            */
   CONSTRAINT APPLICANT_pkey PRIMARY KEY ( anumber ) );

CREATE TABLE EMPLOYER(                           /* Employers               */
ename        VARCHAR(100)    NOT NULL,           /* Employer name           */
city         VARCHAR(30)     NOT NULL,           /* City                    */
phone        DECIMAL(10)     NOT NULL,           /* Phone number            */
   CONSTRAINT EMPLOYER_pkey PRIMARY KEY ( ename ) );

CREATE TABLE POSITION(                           /* Advertised positions    */
pnumber      DECIMAL(8)      NOT NULL,           /* Position number         */
title        VARCHAR(30)     NOT NULL,           /* Position title          */
salary       DECIMAL(9,2)    NOT NULL,           /* Salary                  */
extras       VARCHAR(50)         ,               /* Extras                  */
bonus        DECIMAL(9,2)        ,               /* End of year bonus       */
specification VARCHAR(2000)  NOT NULL,           /* Specification           */
ename        VARCHAR(100)    NOT NULL,           /* Employer name           */
   CONSTRAINT POSITION_pkey PRIMARY KEY ( pnumber ),
   CONSTRAINT POSITION_fkey FOREIGN KEY ( ename )
     REFERENCES EMPLOYER( ename ) );

CREATE TABLE SPOSSESSED(
anumber      DECIMAL(6)  NOT NULL,               /* Applicant number        */
sname        VARCHAR(30) NOT NULL,               /* Skill name              */
slevel       DECIMAL(2)  NOT NULL,               /* Skill level             */
   CONSTRAINT SPOSSESSED_pkey PRIMARY KEY ( anumber, sname ),
   CONSTRAINT SPOSSESSED_fkey1 FOREIGN KEY ( anumber )
             REFERENCES APPLICANT ( anumber ),
   CONSTRAINT SPOSSESSED_check1 CHECK ( slevel IN  ( 1,2,3,4,5 ) ) );

CREATE TABLE SNEEDED(
pnumber      DECIMAL(8)  NOT NULL,               /* Position number         */
sname        VARCHAR(30) NOT NULL,               /* Skill name              */
slevel       DECIMAL(2)  NOT NULL,               /* Skill level             */
   CONSTRAINT SNEEDED_pkey PRIMARY KEY ( pnumber, sname ),
   CONSTRAINT SNEEDED_fkey1 FOREIGN KEY ( pnumber )
             REFERENCES POSITION ( pnumber ),
   CONSTRAINT SNEEDED_check1 CHECK ( slevel IN  ( 1,2,3,4,5 ) ) );

CREATE TABLE APPLIES(
anumber          DECIMAL(6)  NOT NULL,   /* Applicant number        */
pnumber          DECIMAL(8)  NOT NULL,   /* Position number         */
appdate          DATE        NOT NULL,   /* Application date         */
   CONSTRAINT APPLIES_pkey PRIMARY KEY ( anumber, pnumber ),
   CONSTRAINT APPLIES_fkey1 FOREIGN KEY ( anumber )
             REFERENCES APPLICANT ( anumber ),
   CONSTRAINT APPLIES_fkey2 FOREIGN KEY ( pnumber )
             REFERENCES POSITION ( pnumber ) );
```