CS2102 Tutorial 1 Solution

```
CREATE TABLE members (
                  VARCHAR(20) NOT NULL,
      name
                       NUMERIC PRIMARY KEY,
      card number
      address
                  VARCHAR(50) NOT NULL
)
CREATE TABLE wines (
                  VARCHAR(20),
      name
      appellation
                   VARCHAR(20),
      vintage
                  NUMERIC,
      alcohol degree NUMERIC NOT NULL,
      vinevard
                   VARCHAR(100) NOT NULL,
      certifier
                  VARCHAR(50) NOT NULL,
      country
                  VARCHAR(20) NOT NULL,
      PRIMARY KEY (name, vintage, appellation)
)
CREATE TABLE bottles (
                   VARCHAR(20),
      wine name
      vintage
                  NUMERIC,
      appellation
                  VARCHAR(20),
                   NUMERIC,
      number
                  BOOLEAN NOT NULL.
      in cellar
      PRIMARY KEY (number, wine name, vintage, appellation),
      FOREIGN KEY (wine name, vintage, appellation) REFERENCES wines(name, vintage,
appellation))
CREATE TABLE taste (
      Member
                  NUMERIC(20),
      wine name
                   VARCHAR(20),
      vintage
                  NUMERIC.
      appellation
                   VARCHAR(20),
                  VARCHAR(9) NOT NULL,
      rating
      bottle no
                  NUMERIC.
                  DATE NOT NULL,
      date
      PRIMARY KEY (member, bottle no, wine name, vintage, appellation),
      FOREIGN KEY member REFERENCES members(card number),
      FOREIGN KEY (bottle no, wine name, vintage, appellation) REFERENCES bottles(number,
name, vintage, appellation))
```

