CS2102 Tutorial 1 Solution

```
CREATE TABLE members (
                  VARCHAR(20) NOT NULL,
      name
      card number
                       NUMERIC PRIMARY KEY,
      address
                  VARCHAR(50) NOT NULL
)
CREATE TABLE wines (
                  VARCHAR(20),
      name
                   VARCHAR(20),
      appellation
      vintage
                  NUMERIC,
      alcohol degree NUMERIC NOT NULL,
      vinevard
                   VARCHAR(100) NOT NULL,
                  VARCHAR(50) NOT NULL,
      certifier
      country
                  VARCHAR(20) NOT NULL,
      PRIMARY KEY (name, vintage, appellation)
)
CREATE TABLE bottles (
                   VARCHAR(20),
      wine name
      vintage
                  NUMERIC,
      appellation
                   VARCHAR(20),
                   NUMERIC,
      number
      in cellar
                   BOOLEAN NOT NULL,
      PRIMARY KEY (number, wine name, vintage, appellation),
      FOREIGN KEY (wine name, vintage, appellation) REFERENCES wines(name, vintage,
appellation))
CREATE TABLE taste (
                  NUMERIC(20),
      Member
      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))
```

