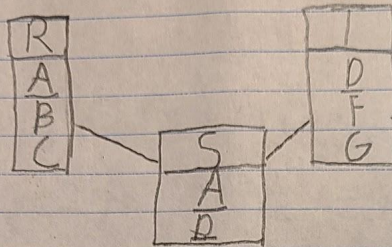


Q 8.1



Q 8.2

```

CREATE TABLE SUPPLIER (
  sid      INTEGER(10),
  sname    VARCHAR(30),
  address  VARCHAR(50),
  PRIMARY KEY (sid);
  
```

```

CREATE TABLE PART (
  pid      INTEGER(10),
  pname    VARCHAR(20),
  color    VARCHAR(10),
  PRIMARY KEY (pid);
  
```

```

CREATE TABLE CATALOG (
  sid      INTEGER(10),
  pid      INTEGER(10),
  cost     NUMERIC(8,2),
  PRIMARY KEY (sid, pid),
  FOREIGN KEY (sid, pid);
  
```



Q 8.3

```
SELECT : PART.pid
FROM : PART, CATALOG
WHERE : PART.pid = CATALOG.pid
        ^
        PART.color = green
        ^
        PART.color = red
```

Q 10

```
CREATE TABLE EMPLOYEE (
    Emp-ID      INTEGER(5),
    E-name      VARCHAR(10),
    gender      VARCHAR(5),
    DOB         VARCHAR(10),
    disability   VARCHAR(10),
    Health status VARCHAR(10),
    PRIMARY KEY (Emp-ID);
CREATE TABLE COMPANY (
    company name VARCHAR(20),
    tx-id        INTEGER(10),
    company-status VARCHAR(10),
    PRIMARY KEY (company name);
CREATE TABLE Lives (
    Emp-id
    city
    street
    PRIMARY KEY (emp-id)
    FOREIGN KEY (emp-id);
```



CREATE TABLE WORKS

Emp-id

company-name

Salary

PRIMARY KEY (emp-id, company name)

FOREIGN KEY (emp-id, company name)

CREATE TAB

Q 10.2

A)  $\pi_{\text{emp\_name}} (\sigma_{(\text{company\_name} = \text{Foster})}$

$(\text{emp\_gender} = \text{Female})$

$(\text{Employee} \times \text{Company})$

B  $\pi_{\text{company\_company\_name}} ($