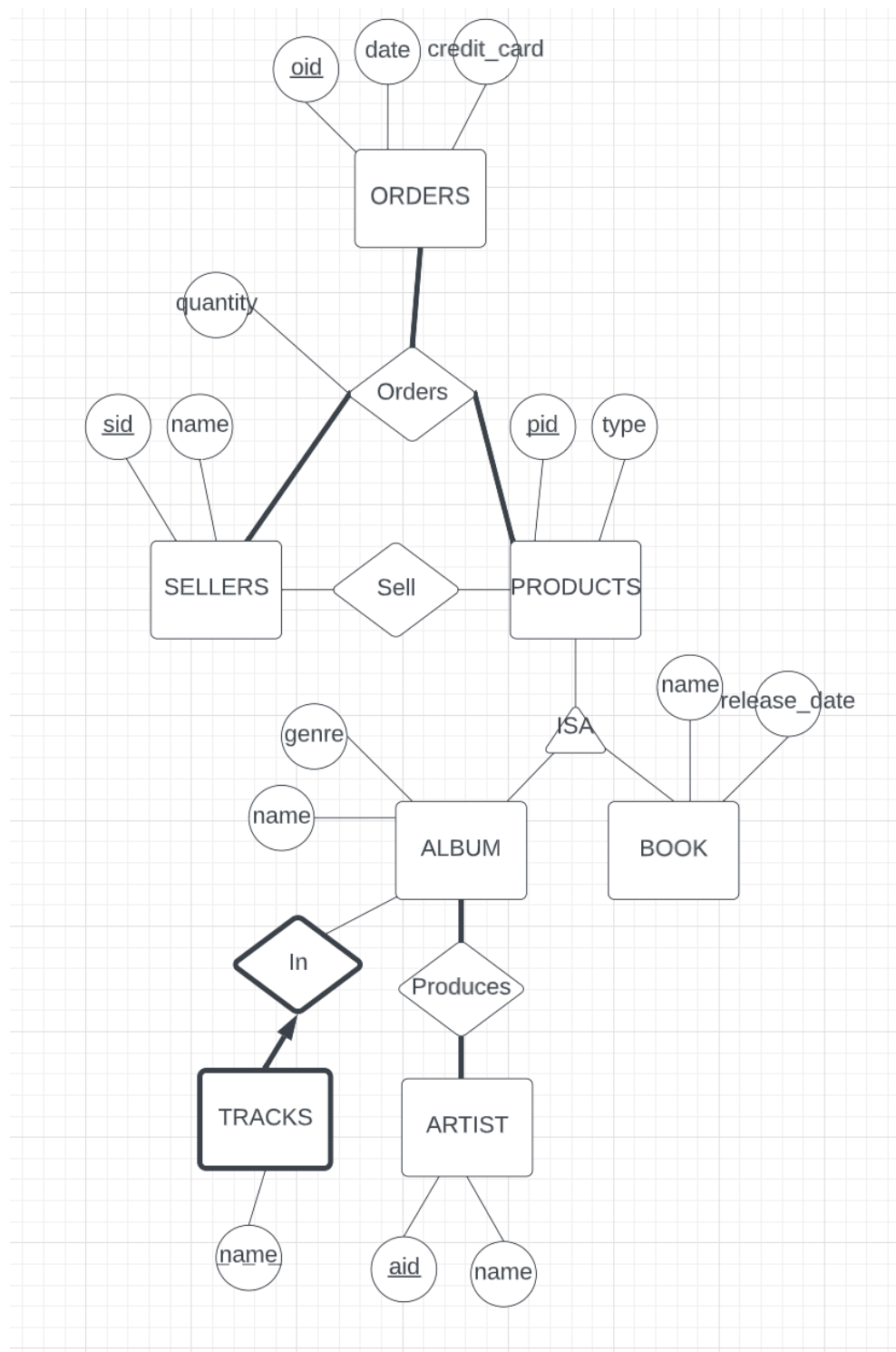


1.



2. a)

```
CREATE TABLE EMPLOYEE(  
    eid INTEGER,  
    name VARCHAR(20) NOT NULL,  
    salary INTEGER,  
    status VARCHAR(20),  
    supereid INTEGER NOT NULL,  
    PRIMARY KEY (eid));  
  
CREATE TABLE DEPENDENT  
    (name VARCHAR(20),  
    eid INTEGER NOT NULL,  
    sex VARCHAR(20),  
    relationship VARCHAR(20),  
    PRIMARY KEY (name, eid),  
    FOREIGN KEY (eid) REFERENCES EMPLOYEE ON DELETE CASCADE);  
  
CREATE TABLE PROJECT  
    (pid INTEGER,  
    budget INTEGER,  
    PRIMARY KEY (pid)  
    );  
  
CREATE TABLE DEPARTMENT  
    (did INTEGER,  
    PRIMARY KEY (did)  
    );  
  
CREATE TABLE Works  
    (pid INTEGER,  
    eid INTEGER,  
    start_date DATE,  
    hours INTEGER,  
    PRIMARY KEY (pid, eid),  
    FOREIGN KEY (pid) REFERENCES PROJECT ON DELETE CASCADE,  
    FOREIGN KEY (eid) REFERENCES EMPLOYEE ON DELETE CASCADE  
    );
```

```
CREATE TABLE Assigned
  (pid INTEGER,
   did INTEGER,
   PRIMARY KEY (pid, did),
   FOREIGN KEY (pid) REFERENCES PROJECT ON DELETE CASCADE,
   FOREIGN KEY (did) REFERENCES DEPARTMENT ON DELETE CASCADE
  );

CREATE TABLE Employed
  (eid INTEGER,
   did INTEGER,
   start_date DATE,
   PRIMARY KEY (eid, did),
   FOREIGN KEY (eid) REFERENCES EMPLOYEE ON DELETE CASCADE,
   FOREIGN KEY (did) REFERENCES DEPARTMENT ON DELETE CASCADE
  );
```

b) none