



```

CREATE TABLE Book (
    title VARCHAR(250),
    edition VARCHAR(250),
    copy INTEGER,
    year VARCHAR(250),
    category VARCHAR(250),
    availability VARCHAR(250),
    additional_notes VARCHAR(250),
    room VARCHAR(250) NOT NULL,
    shelf VARCHAR(250) NOT NULL,
    pname VARCHAR(250) NOT NULL,
    fname VARCHAR(250),
    dname VARCHAR(250),
    PRIMARY KEY (title, edition, copy),
    FOREIGN KEY (room, shelf) REFERENCES Location ON DELETE NO ACTION,
    FOREIGN KEY (pname) REFERENCES Publisher ON DELETE NO ACTION,
    FOREIGN KEY (fname) REFERENCES Faculty,
    FOREIGN KEY (dname) REFERENCES Donor
);
  
```

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```
CREATE TABLE Author(  
    aname VARCHAR(250),  
    PRIMARY KEY      (aname));
```

---

```
CREATE TABLE Faculty(  
    fname VARCHAR(250),  
    PRIMARY KEY      (fname));
```

---

```
CREATE TABLE Donor(  
    dname VARCHAR(250),  
    PRIMARY KEY      (dname);  
)
```

---

```
CREATE TABLE Editor(  
    ename VARCHAR(250),  
    PRIMARY KEY      (ename);  
)
```

---

```
CREATE TABLE Publisher(  
    pname VARCHAR(250),  
    PRIMARY KEY      (pname));
```

---

```
CREATE TABLE Location(  
    room  VARCHAR(250),  
    shelf VARCHAR(250),  
    PRIMARY KEY      (room, shelf));
```

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```
CREATE TABLE written_by(  
    aname VARCHAR(250),  
    title  VARCHAR(250),  
    edition VARCHAR(250),  
    copy   INTEGER,  
    PRIMARY KEY      (aname, title, edition, copy),  
    FOREIGN KEY       (aname) REFERENCES Author,  
    FOREIGN KEY       (title, edition, copy) REFERENCES Book  
);
```

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```
CREATE TABLE edited_by(  
    ename VARCHAR(250),  
    title  VARCHAR(250),  
    edition VARCHAR(250),  
    copy   INTEGER,  
    PRIMARY KEY      (ename, title, edition, copy),  
    FOREIGN KEY      (ename) REFERENCES Editor,  
    FOREIGN KEY      (title, edition, copy) REFERENCES Book  
);
```

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