**Question 1：**Who checked out the book 'The Hobbit’?

Answer：

SQL：SELECT MEMBER.NAME FROM MEMBER,CHECKOUT\_ITEM,BOOK WHERE

MEMBER.ID = CHECKOUT\_ITEM.MEMBER\_ID AND

CHECKOUT\_ITEM.BOOK\_ID = BOOK.ID AND

BOOK.TITLE = 'The Hobbit';

**Question 2：**How many people have not checked out anything?

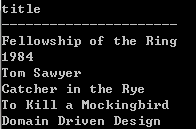
Answer：

SQL：SELECT COUNT(\*) FROM MEMBER WHERE ID NOT IN(

SELECT MEMBER.ID FROM MEMBER INNER JOIN

CHECKOUT\_ITEM ON MEMBER.ID = CHECKOUT\_ITEM.MEMBER\_ID);

**Question 3：**What books and movies aren't checked out?

Answer：book: movies:

SQL：① SELECT TITLE FROM BOOK WHERE ID NOT IN(

SELECT BOOK\_ID FROM CHECKOUT\_ITEM WHERE BOOK\_ID IS NOT NULL);

② SELECT TITLE FROM MOVIE WHERE ID NOT IN(

SELECT MOVIE\_ID FROM CHECKOUT\_ITEM WHERE MOVIE\_ID IS NOT NULL);

**Question 4：**Add the book 'The Pragmatic Programmer', and add yourself as a member. Check out 'The Pragmatic Programmer'. Use your query from question 1 to verify that you have checked it out. Also, provide the SQL used to update the database.

SQL：① INSERT INTO BOOK (TITLE) VALUES ('The Pragmatic Programmer');

② INSERT INTO MEMBER (NAME) VALUES ('Pei Feng');

③ INSERT INTO CHECKOUT\_ITEM(MEMBER\_ID, BOOK\_ID)

SELECT MEMBER.ID AS MEMBER\_ID, BOOK.ID AS BOOK\_ID

FROM MEMBER,BOOK

WHERE MEMBER.NAME='Pei Feng' AND BOOK.TITLE='The Pragmatic Programmer';

**Question 5：**Who has checked out more than 1 item?

Answer：

SQL：SELECT NAME FROM MEMBER WHERE ID IN(

SELECT MEMBER\_ID FROM CHECKOUT\_ITEM GROUP BY MEMBER\_ID

HAVING COUNT(MEMBER\_ID) >1);