Ryan Lockman HW6 Database Systems

KEYS:

ns /

aggregate = 3 | join = |><| project = π

230

6.18

ä.

SHARP - O- Breach Nome-Therpmon (LIBRARY BRANCH)

TRIBE - O~Toto-The Low Tribe (BOOK)

sigma/= O~

RESULT ← O~ 61000ch, 36-531 ARF DUMAN, 36 AND DUMA, 36 - TRIBLE DUMA, 36 (BOOK_COPY)

Book_id | Branch_id | No_of_copies 45362 062 21

SELECT * AS SHARP FROM LIBRARY_BRANCH WHERE Branch_Name = 'Sharpstown';

SELECT * AS TRIBE FROM BOOK WHERE Title = 'The Lost Tribe';

SELECT * AS RESULT FROM BOOK_COPY WHERE Branch_id = SHARP.Branch_id AND Book_id = TRIBE.Book_id;

b.

TRIBE - O~ Tole-The Lond (BOOK)

RESULT - TRIBE > TRIBE Dook, st - BOOK, COPY, S. S.

 Book_id
 Title
 | Publisher_name | Branch_id | No_of_copies

 45362
 The Lost Tribe
 Roy Henz
 062
 21

 45362
 The Lost Tribe
 Roy Henz
 071
 10

SELECT * AS TRIBE FROM BOOK WHERE Title = 'The Lost Tribe';

SELECT * AS RESULT FROM TRIBE INNER JOIN BOOK_COPY ON TRIBE.Book_id = BOOK_COPY.Book_id; - 2 3 you rement form

RESULT - BARROWER - BOOK_LOANS LOANS e.

SELECT * AS RESULT FROM BARROWERS INNER JOIN BOOK LOANS ON BARROWER.Card_no ≠ BOOK_LOANS.Card_no;

SELECT DISTINCT RESULT.Card_no, RESULT.Name FROM RESULT:

d.

SHARP ← O~ breach Name-Scherpment (LIBRARY_BRANCH)

S_BOOKS_OUT - O~ march lef SHARR Branch Left AND Date Asset 20114-04-07 (BOOK_LOANS)

- you'll know to include SHARP then Bar_S_BOOKS_OUT - S_BOOKS_OUT | < | 8,800 k3_OUT.Cast_as=BARROWER RESULT - Bar_S_BOOKS_OUT |><| Bar_S_BOOKS_OUTSlink_jat-BOOK | BOOK

IT Name, Address, Tich (RESULT)

Title Name Address The Wolf Ryan Lockman 462 South St My Way Ben Stills 212 N Mine St

SELECT * AS SHARP FROM LIBRARY BRANCH WHERE Branch_Name = 'Sharpstown';

SELECT * AS S_BOOKS_OUT FROM BOOK LOANS WHERE Branch_id = SHARP.Branch_id AND Due_date = '2014-04-07';

SELECT * AS Bar_S_BOOKS OUT FROM'S BOOKS OUT INNER JOIN BARROWER ON S_BOOKS_OUT.Card_no = BARROWER.Card_no;

SELECT * AS RESULT FROM BAR_S_BOOKS_OUT INNER JOIN BOOK ON BAR_S_BOOKS_OUT.Book_id = BOOK.Book_id;

SELECT DISTINCT RESULT.Name, RESULT.Address, RESULT.Title FROM RESULT:

p.

LIB_OUTS - LIBRARY_BRANCH > LIBRARY_BRANCH BROOK_LOANS BOOK_LOANS no we much to emust (Book id). Planck same & SUM No. of Copies (LIB OUTS COPIES)

TI Straich, Motor, NUM, No. of copies (LIB_OUTS COPIES)

Branch_name | SUM_No_of_copies

Central

1265

Sharpstown

2364

SELECT * AS LIB_OUTS

FROM LIBRARY BRANCH

INNER JOIN BOOK LOANS

ON LIBRARY_BRANCH.Branch_no = BOOK_LOANS.Branch_no;

SELECT * AS LIB OUTS COPIES

FROM LIB OUTS

INNER JOIN BOOK COPIES

ON LIB_OUTS.Branch_no = BOOK_COPIES.Branch_no;

SELECT SUM(No_of_copies)

FROM LIB OUTS COPIES

GROUP BY Branch name:

SELECT DISTINCT LIB_OUTS_COPIES.Branch_name, LIB OUTS COPIES.SUM No of copies

FROM LIB_OUTS COPIES:

f.

BAR BOOK OUT - BARROWER | S | BARROWER CARL AND BOOK LOANS COME AND BOOK LOANS Marke out put CZELW S COUNTS AND BOOK OUT)

BAR MORE 5 - O COUNT BOOK BOOK OUT)

TI Name, Address, COUNT, Hurs, of (BAR MORE 5)

Name Address

COUNT Book id

Ben Small

121 S High

6

Ryan Sans 216 N Moore 9

SELECT * AS BAR_BOOK_OUT

FROM BARROWER

INNER JOIN BOOK_LOANS

ON BARROWER.Card_no = BOOK_LOANS.Card_no;

SELECT COUNT(Book id)

FROM BAR BOOK OUT

GROUP BY Card no:

SELECT * AS BAR_MORE_5 FROM BAR_BOOK_OUT WHERE COUNT_Book_id > 5;

SELECT DISTINCT BAR_MORE_5.Name, BAR_MORE_5.Address, BAR_MORE_5.COUNT_Book_id FROM BAR_MORE_5:

g,

KING + O'* Author, Name * Stephan King (BOOK_AUTHORS)

KING_BOOKS -- KING [><] KING BOOK BOOK BOOK BOOK

CENT - O~ thenk, Name-Center (LIBRARY_BRANCH)

CENT_BOOKS -- CENT |>< | CENT_BOOK_COPIES | BOOK_COPIES

CENT_KING ← CENT_BOOKS > CENT_BOOKS.Book_260* KEYG_BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BOOKS.BO

Title | No_of_copies

The Lost Ship 6 Stolen Art 12

SELECT * AS KING FROM BOOK_AUTHORS WHERE Author_Name = 'Stephan King';

SELECT * AS KING_BOOKS FROM KING INNER JOIN BOOK ON KING.Book_id = BOOK.Book_id;

SELECT * AS CENT FROM LIBRARY_BRANCH WHERE Branch_Name = 'Central';

SELECT * AS CENT_BOOKS FROM CENT INNER JOIN BOOK_COPIES ON CENT.Branch_no = BOOK_COPIES.Branch_no;

SELECT * AS CENT_KING FROM CENT_BOOKS INNER JOIN KING_BOOKS ON CENT_BOOKS.Book_no = KING_BOOKS.Book_no;

SELECT DISTINCT CENT_KING.Title, CENT_KING.No_of_copies FROM CENT_KING;

6.19

a.

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