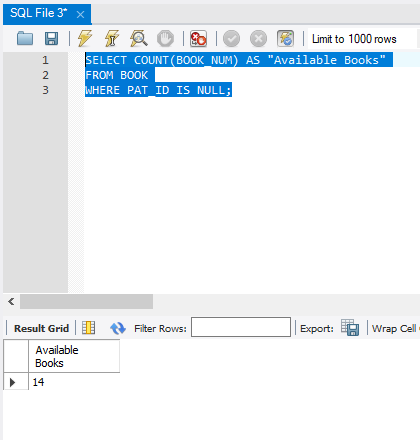
3. SELECT COUNT(BOOK\_NUM) AS "Available Books"

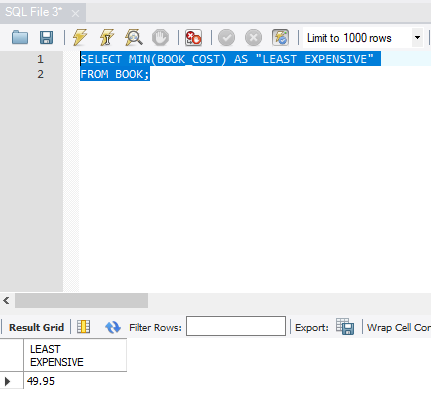
FROM BOOK

WHERE PAT\_ID IS NULL;



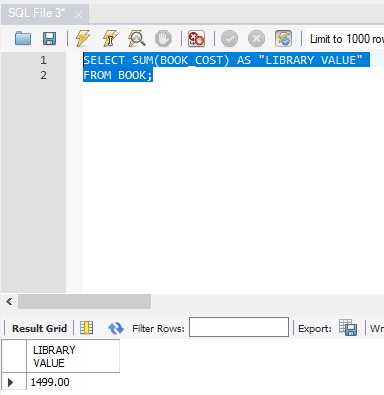
5. SELECT MIN(BOOK\_COST) AS "LEAST EXPENSIVE"

FROM BOOK;



6. SELECT SUM(BOOK\_COST) AS "LIBRARY VALUE"

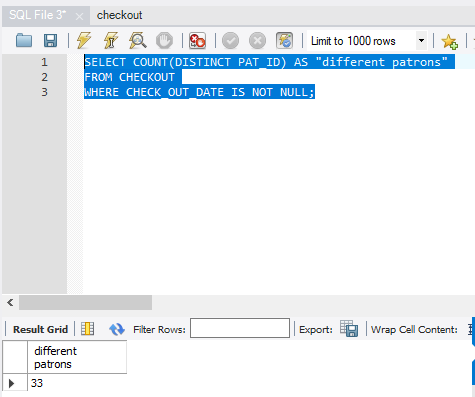
FROM BOOK;



7. SELECT COUNT(DISTINCT PAT\_ID) AS "different patrons"

FROM CHECKOUT

WHERE CHECK\_OUT\_DATE IS NOT NULL;

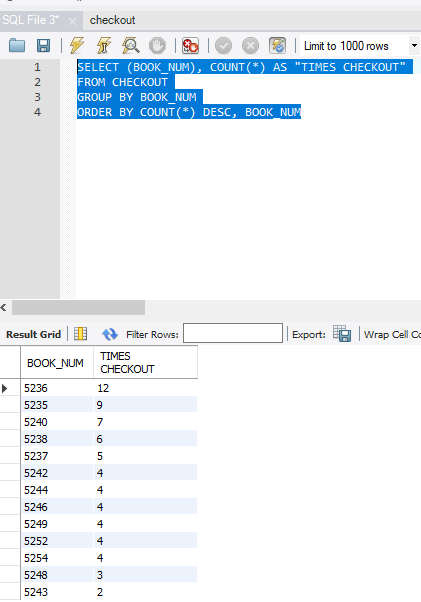


10. SELECT (BOOK\_NUM), COUNT(\*) AS "TIMES CHECKOUT"

FROM CHECKOUT

GROUP BY BOOK\_NUM

ORDER BY COUNT(\*) DESC, BOOK\_NUM



12. SELECT AUTHOR.AU\_ID, BOOK.BOOK\_NUM, BOOK.BOOK\_TITLE,

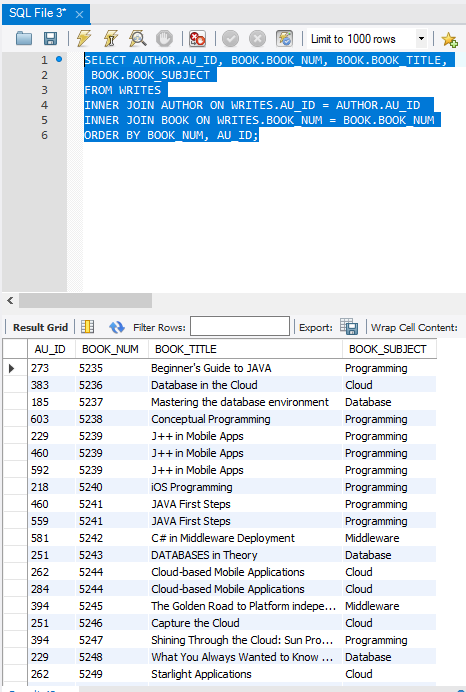
BOOK.BOOK\_SUBJECT

FROM WRITES

INNER JOIN AUTHOR ON WRITES.AU\_ID = AUTHOR.AU\_ID

INNER JOIN BOOK ON WRITES.BOOK\_NUM = BOOK.BOOK\_NUM

ORDER BY BOOK\_NUM, AU\_ID;



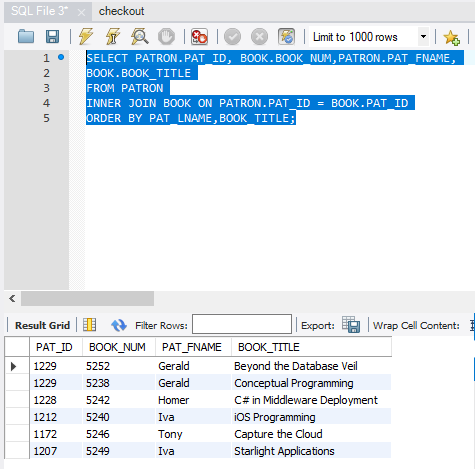
14. SELECT PATRON.PAT\_ID, BOOK.BOOK\_NUM,PATRON.PAT\_FNAME,PATRON.PAT\_LNAME,

BOOK.BOOK\_TITLE

FROM PATRON

INNER JOIN BOOK ON PATRON.PAT\_ID = BOOK.PAT\_ID

ORDER BY PAT\_LNAME,BOOK\_TITLE;



15. SELECT AUTHOR.AU\_ID, AUTHOR.AU\_FNAME , AUTHOR.AU\_LNAME,

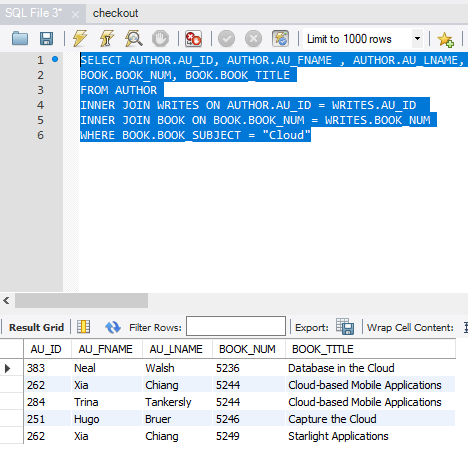
BOOK.BOOK\_NUM, BOOK.BOOK\_TITLE

FROM AUTHOR

INNER JOIN WRITES ON AUTHOR.AU\_ID = WRITES.AU\_ID

INNER JOIN BOOK ON BOOK.BOOK\_NUM = WRITES.BOOK\_NUM

WHERE BOOK.BOOK\_SUBJECT = "Cloud"



16. SELECT BOOK.BOOK\_NUM, BOOK.BOOK\_TITLE, AUTHOR.AU\_LNAME,

AUTHOR.AU\_FNAME,PATRON.PAT\_ID,PATRON.PAT\_LNAME,PATRON.PAT\_TYPE

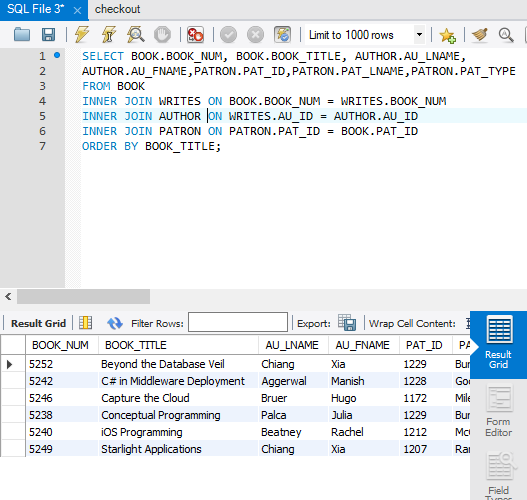
FROM BOOK

INNER JOIN WRITES ON BOOK.BOOK\_NUM = WRITES.BOOK\_NUM

INNER JOIN AUTHOR ON WRITES.AU\_ID = AUTHOR.AU\_ID

INNER JOIN PATRON ON PATRON.PAT\_ID = BOOK.PAT\_ID

ORDER BY BOOK\_TITLE;



18.SELECT AUTHOR.AU\_ID, AUTHOR.AU\_LNAME, BOOK.BOOK\_TITLE,

CHECKOUT.CHECK\_OUT\_DATE,patron.PAT\_LNAME

FROM CHECKOUT

INNER JOIN WRITES ON checkout.BOOK\_NUM = WRITES.BOOK\_NUM

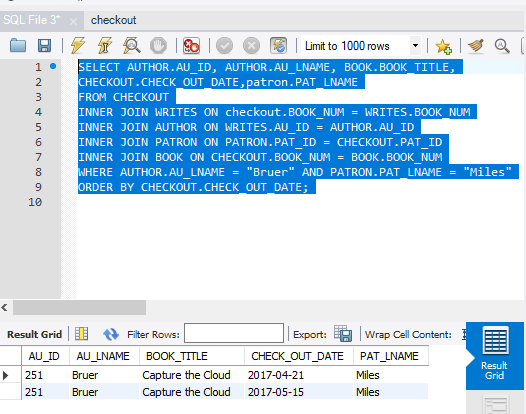
INNER JOIN AUTHOR ON WRITES.AU\_ID = AUTHOR.AU\_ID

INNER JOIN PATRON ON PATRON.PAT\_ID = CHECKOUT.PAT\_ID

INNER JOIN BOOK ON CHECKOUT.BOOK\_NUM = BOOK.BOOK\_NUM

WHERE AUTHOR.AU\_LNAME = "Bruer" AND PATRON.PAT\_LNAME = "Miles"

ORDER BY CHECKOUT.CHECK\_OUT\_DATE;

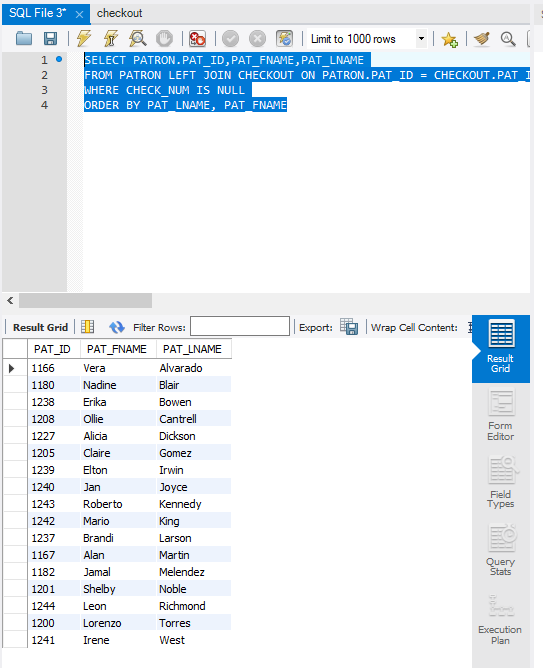


19. SELECT PATRON.PAT\_ID,PAT\_FNAME,PAT\_LNAME

FROM PATRON LEFT JOIN CHECKOUT ON PATRON.PAT\_ID = CHECKOUT.PAT\_ID

WHERE CHECK\_NUM IS NULL

ORDER BY PAT\_LNAME, PAT\_FNAME



21. SELECT PATRON.PAT\_ID,PAT\_LNAME,

COUNT(CHECK\_NUM) AS "NUM CHECKOUT",

COUNT(DISTINCT BOOK\_NUM) AS "NUM DIF BOOK"

FROM CHECKOUT

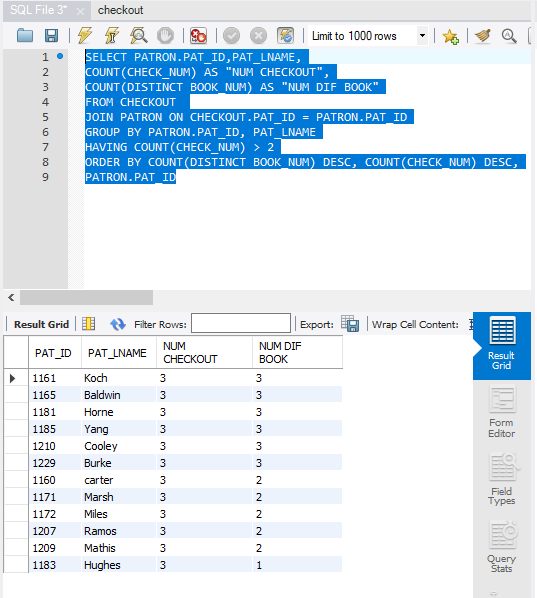
JOIN PATRON ON CHECKOUT.PAT\_ID = PATRON.PAT\_ID

GROUP BY PATRON.PAT\_ID, PAT\_LNAME

HAVING COUNT(CHECK\_NUM) > 2

ORDER BY COUNT(DISTINCT BOOK\_NUM) DESC, COUNT(CHECK\_NUM) DESC,

PATRON.PAT\_ID



23. SELECT PAT\_ID,

ROUND(AVG(DATEDIFF(CHECK\_IN\_DATE, CHECK\_OUT\_DATE)),2) AS

"AVERAGE DAYS KEPT"

FROM CHECKOUT

GROUP BY PAT\_ID

HAVING COUNT(CHECK\_NUM) > 2

ORDER BY ROUND (AVG(DATEDIFF(CHECK\_IN\_DATE, CHECK\_OUT\_DATE)),2)

DESC;

