**Task 7: Create Queries**

**Yu Poh Shun**

**Query No. 1**

Purpose: Show daily summary of payment details using report number

1 select p.payment\_no, p.amount, p.account\_no, r.report\_no, r.date\_created

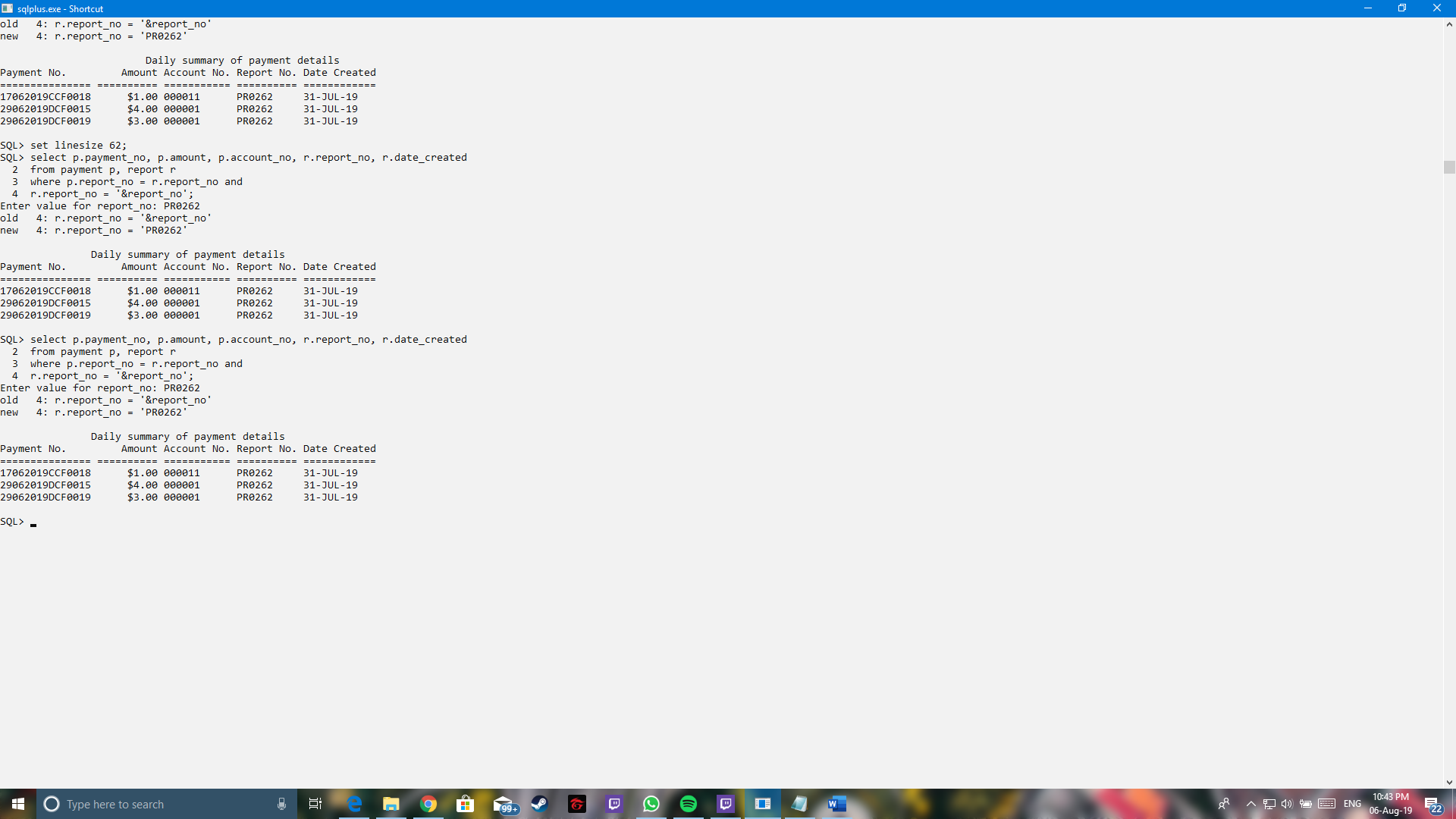
2 from payment p, report r

3 where p.report\_no = r.report\_no and

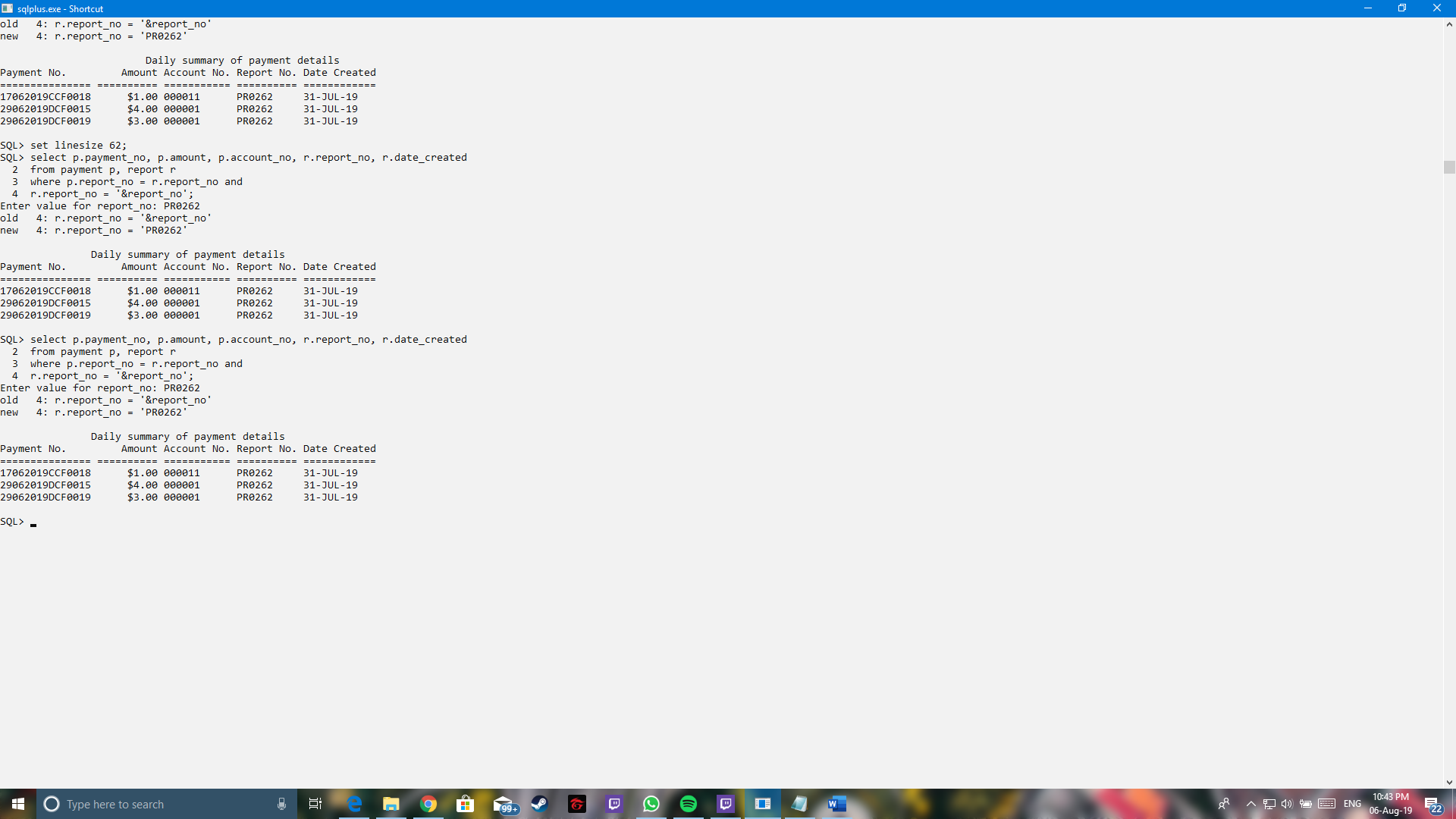
4 r.report\_no = '&report\_no';

SQL Queries result

Input example: PR0262



Output:



**Query No. 2**

Purpose: Show account’s reserved books details

1 select a.account\_no, a.first\_name, a.last\_name, r.reserve\_no, r.reserve\_date, b.book\_id, b.book\_title

2 from reserve r, loan l, book b, account a

3 where b.book\_id=l.book\_id and

4 l.reserve\_no = r.reserve\_no and

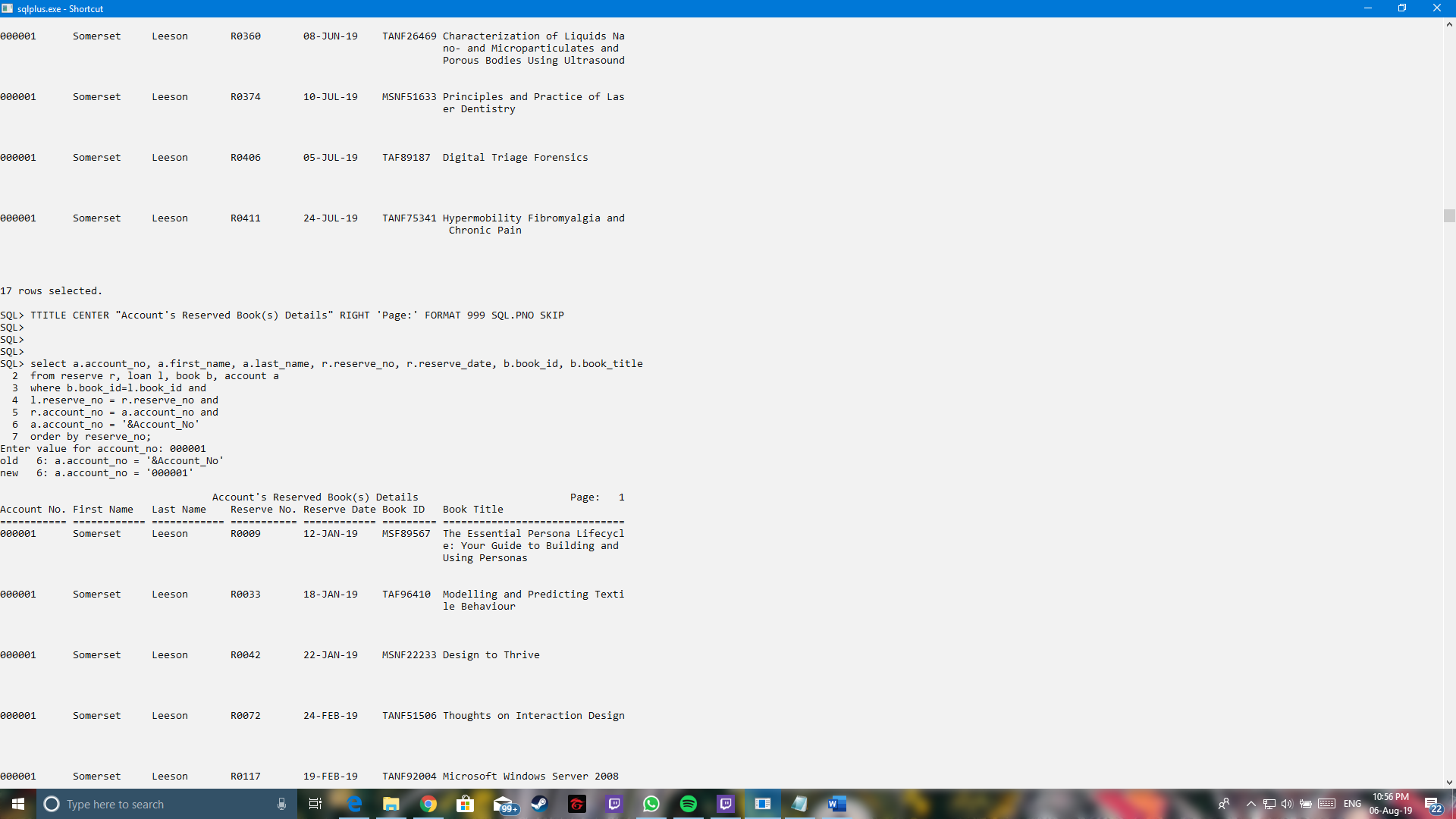
5 r.account\_no = a.account\_no and

6 a.account\_no = '&account\_no'

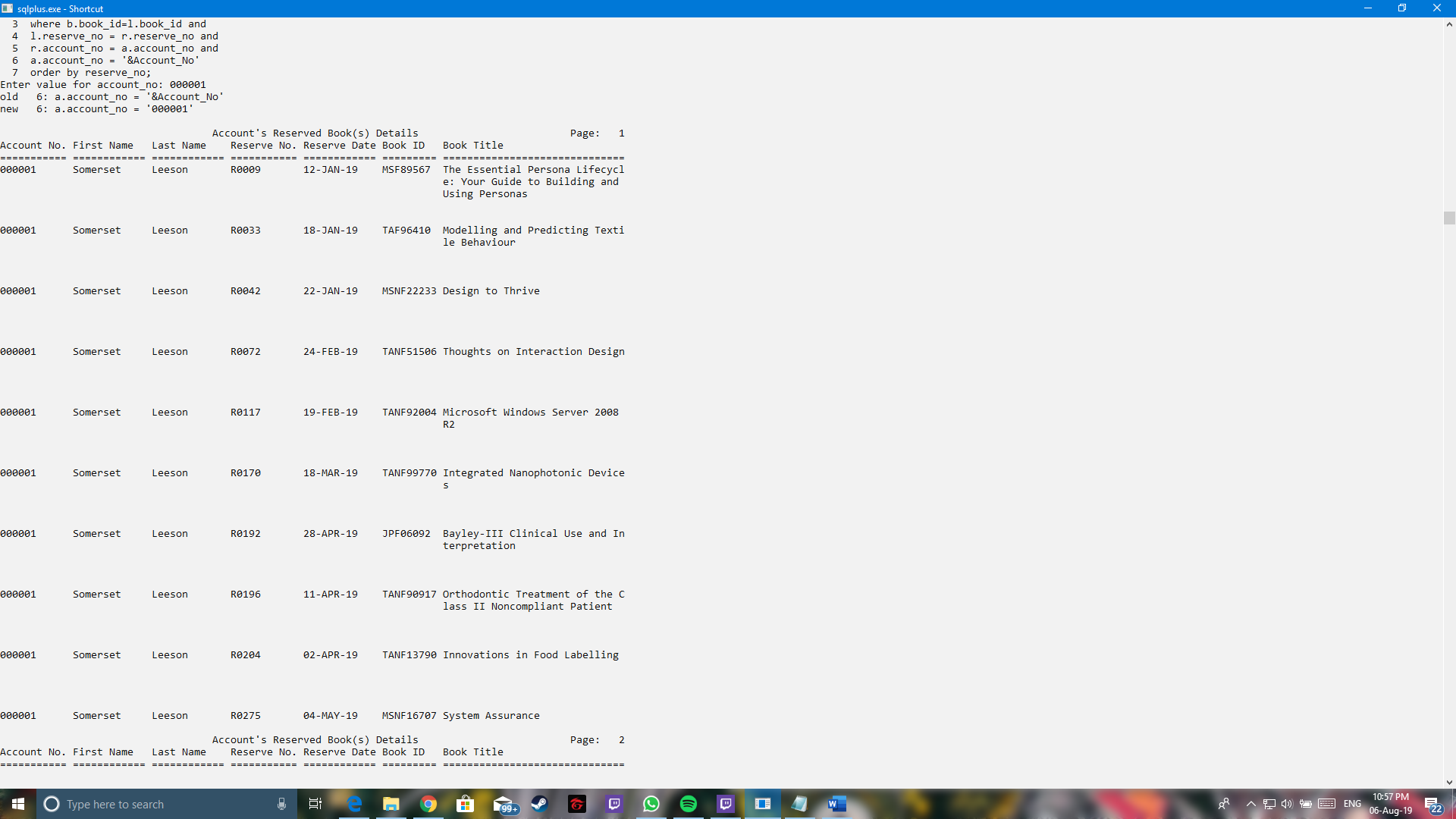
7 order by reserve\_no;

SQL Queries result

Input example: 000001



Output:



**Query No. 3**

Purpose: Show user’s id book collection date and return date

1 select a.account\_no, r.reserve\_no, l.book\_id, l.collection\_date, l.return\_date

2 from loan l, reserve r, account a

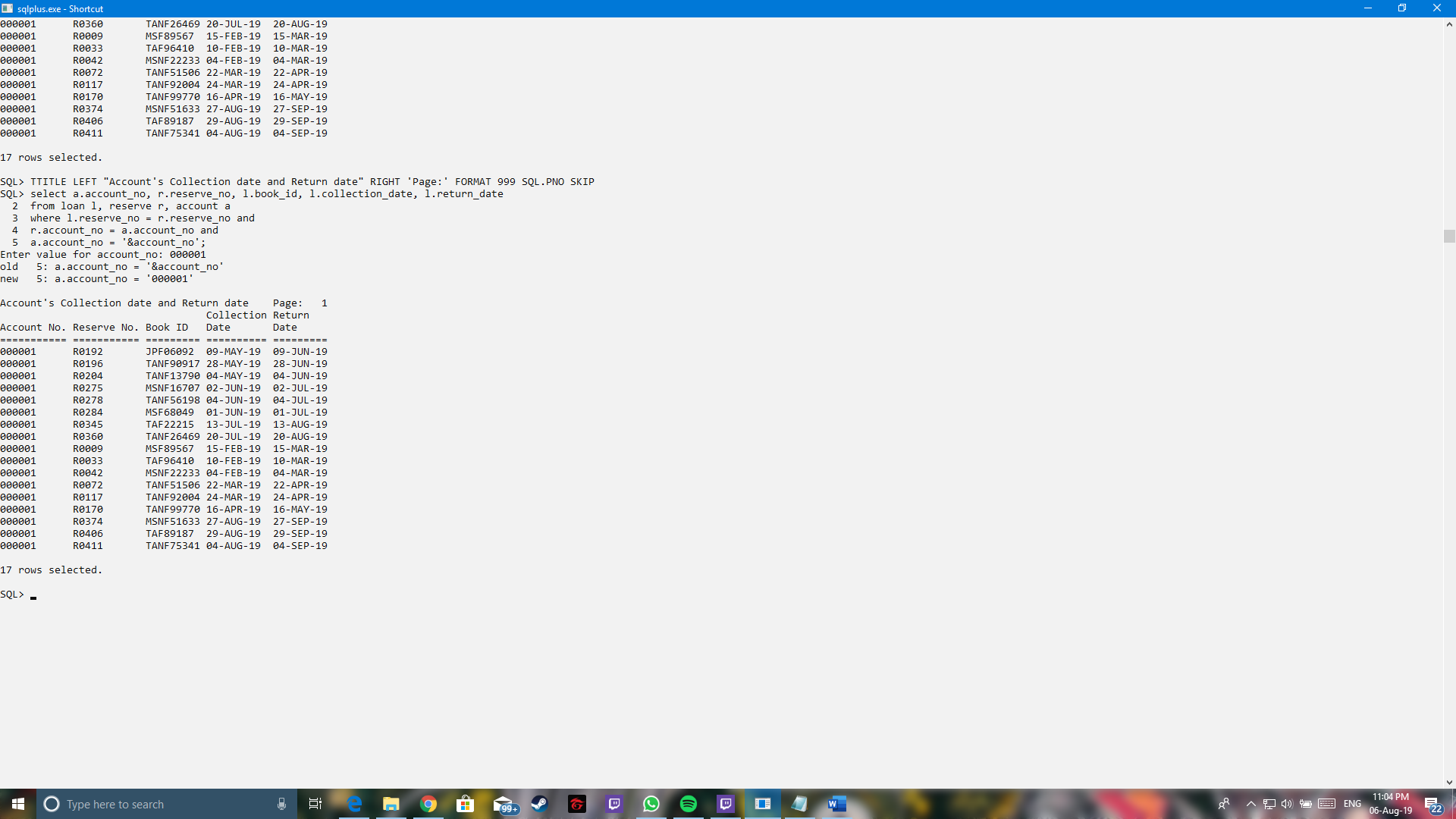
3 where l.reserve\_no = r.reserve\_no and

4 r.account\_no = a.account\_no and

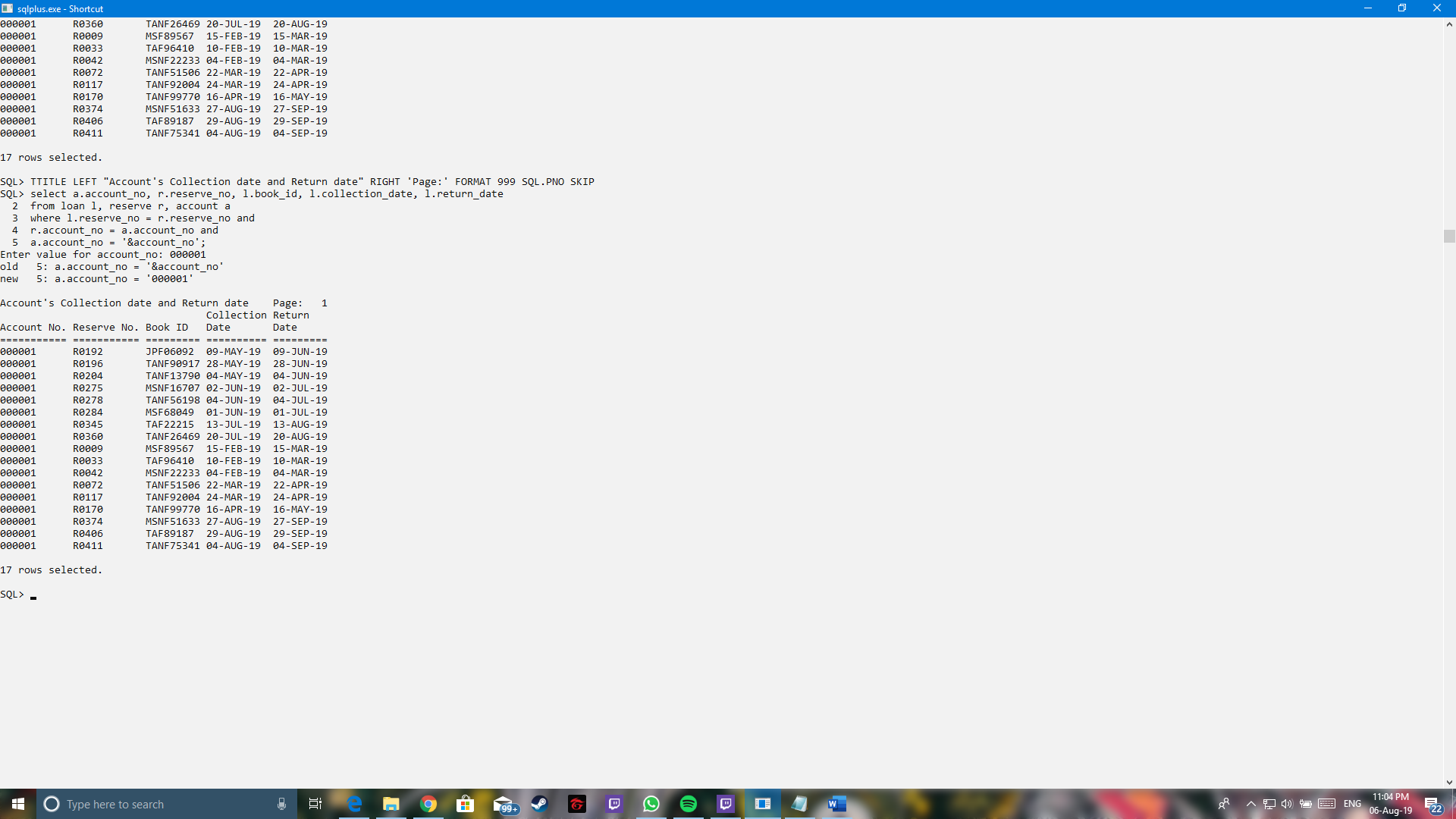
5 a.account\_no = '&account\_no';

SQL Queries result

Input example: 000001



Output:



**Query No. 4**

Purpose: List out number of books by each year

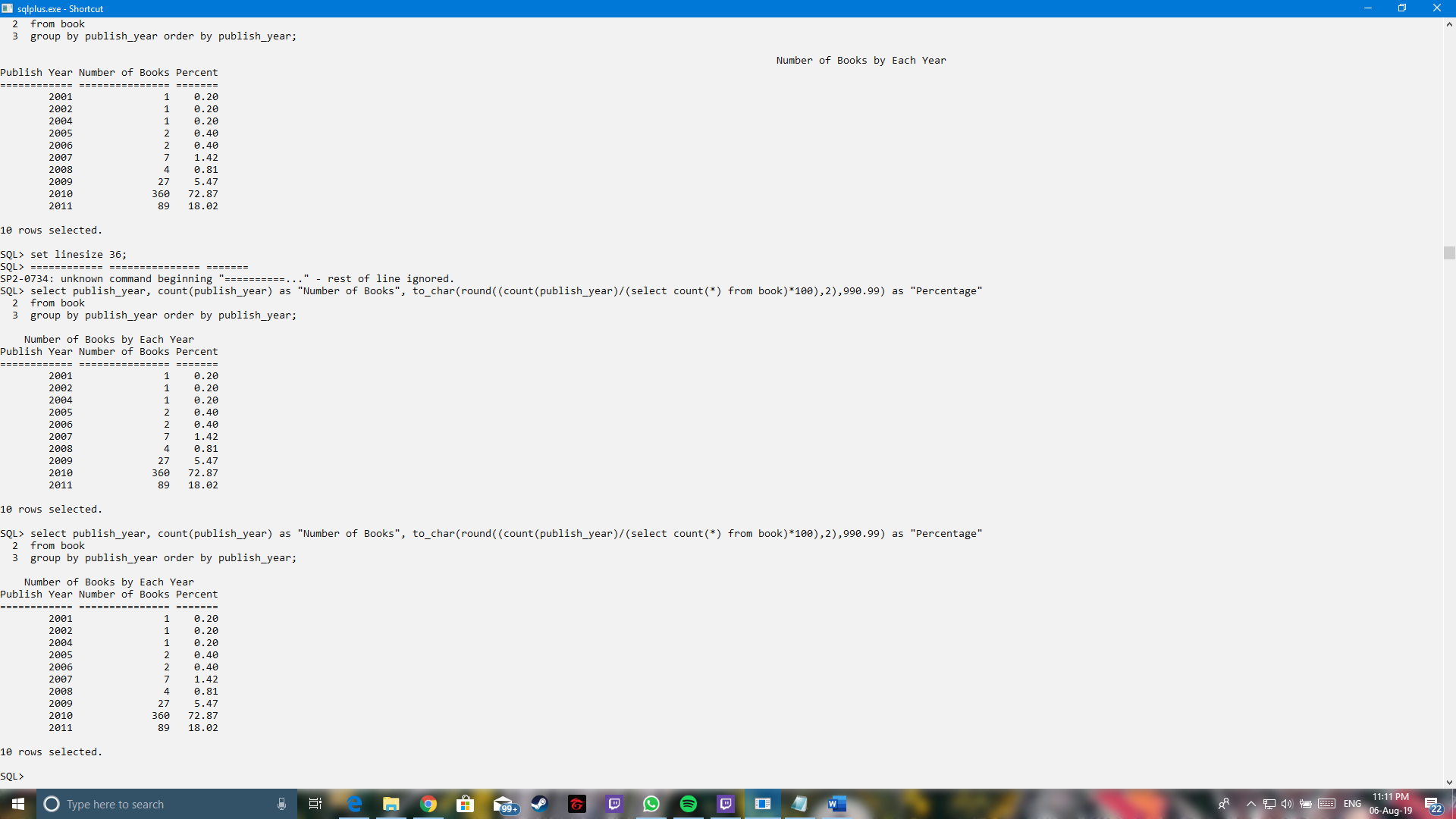
1 select publish\_year, count(publish\_year) as "Number of Books", to\_char(round((count(publish\_year)/(select count(\*) from book)\*100),2),990.99) as "Percentage"

2 from book

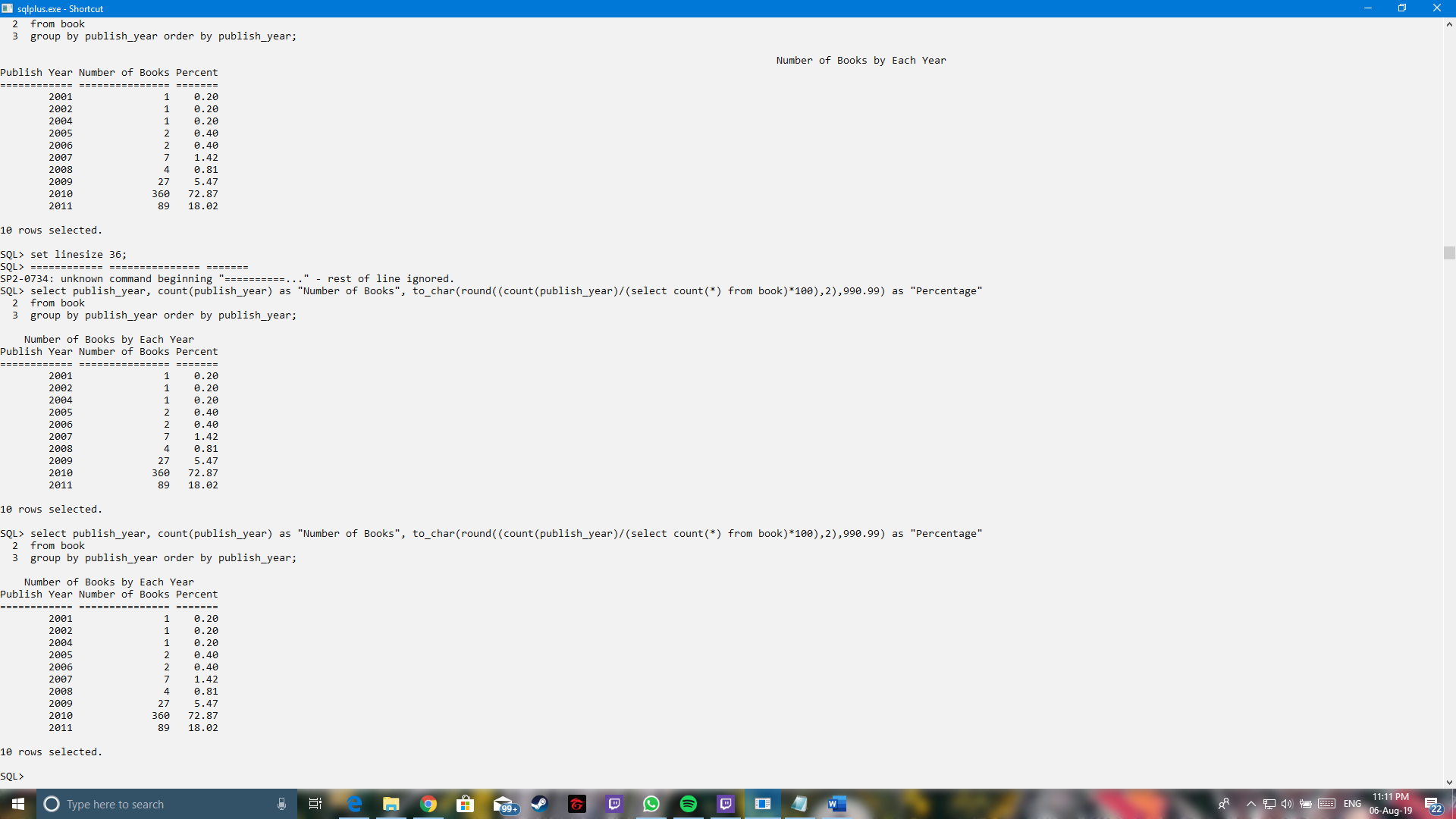
3 group by publish\_year order by publish\_year;

SQL Queries result

Input:



Output:



**Query No. 5**

Purpose: List out fine amount paid by account

1 select f.fine\_amount, p.payment\_no, f.fine\_no, a.account\_no

2 from payment p, account a, reserve r, fine f

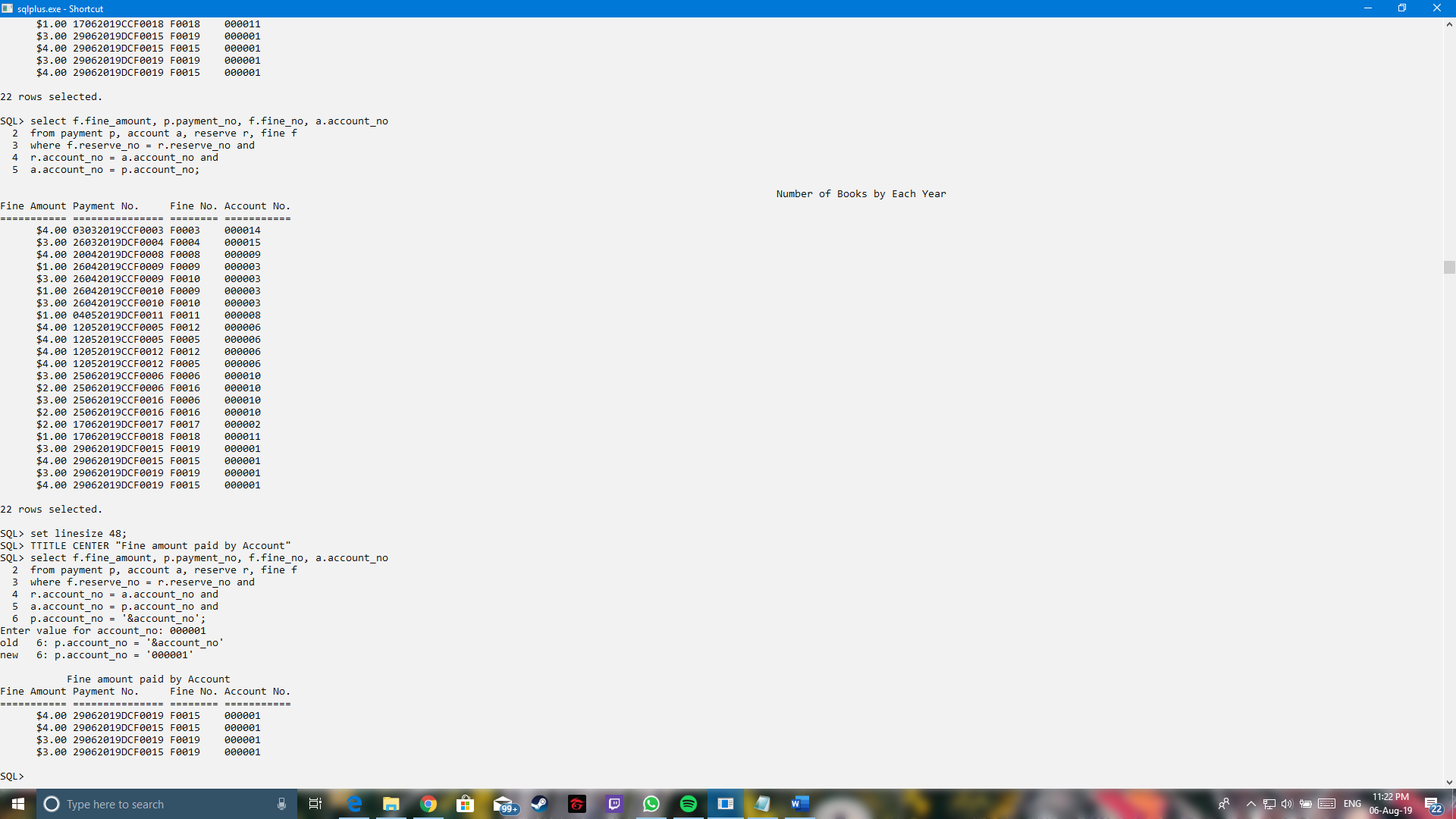
3 where f.reserve\_no = r.reserve\_no and

4 r.account\_no = a.account\_no and

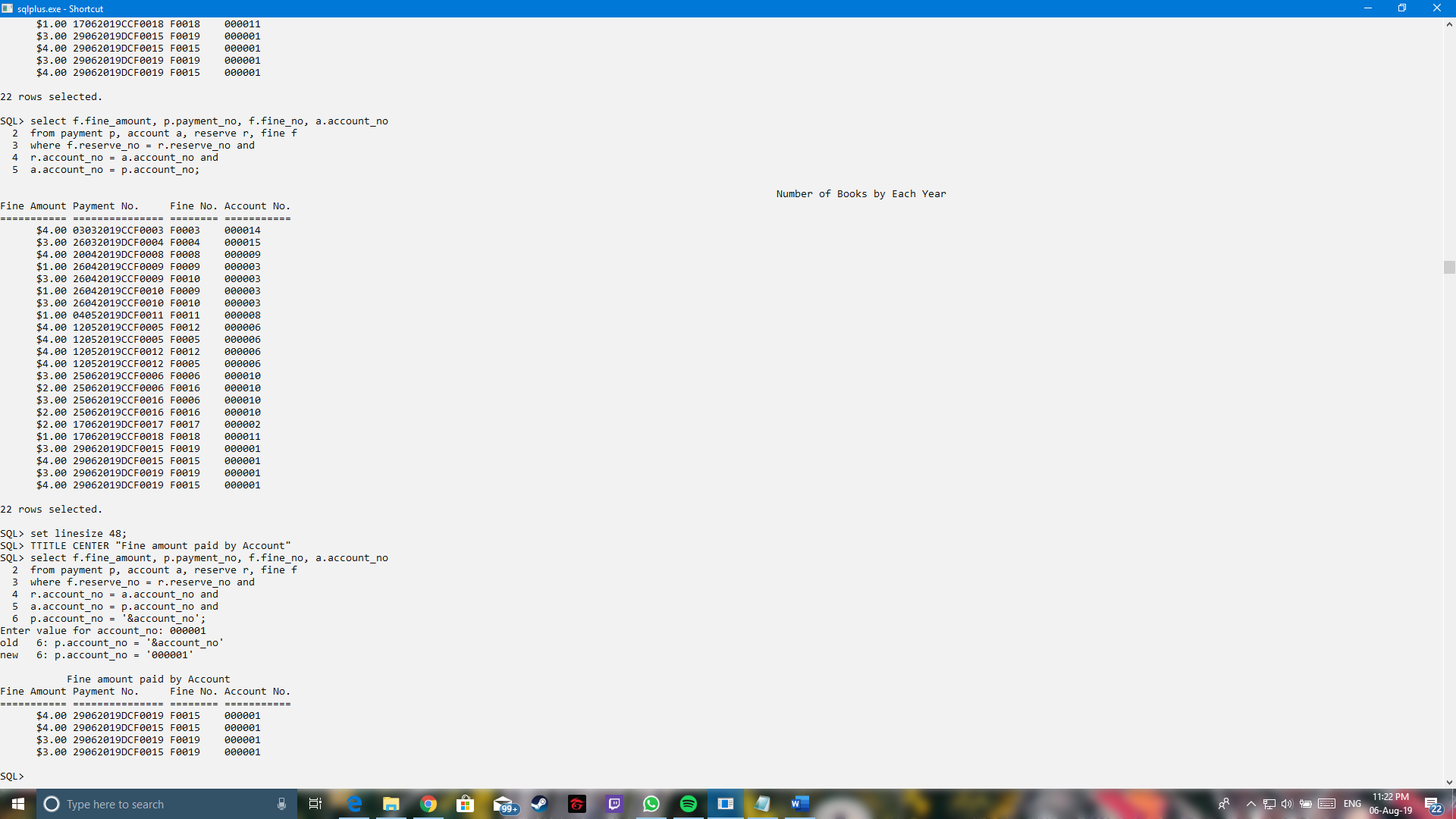
5 a.account\_no = p.account\_no

SQL Queries result

Input example: 000001



Output:



**Yee Jun Hoong**

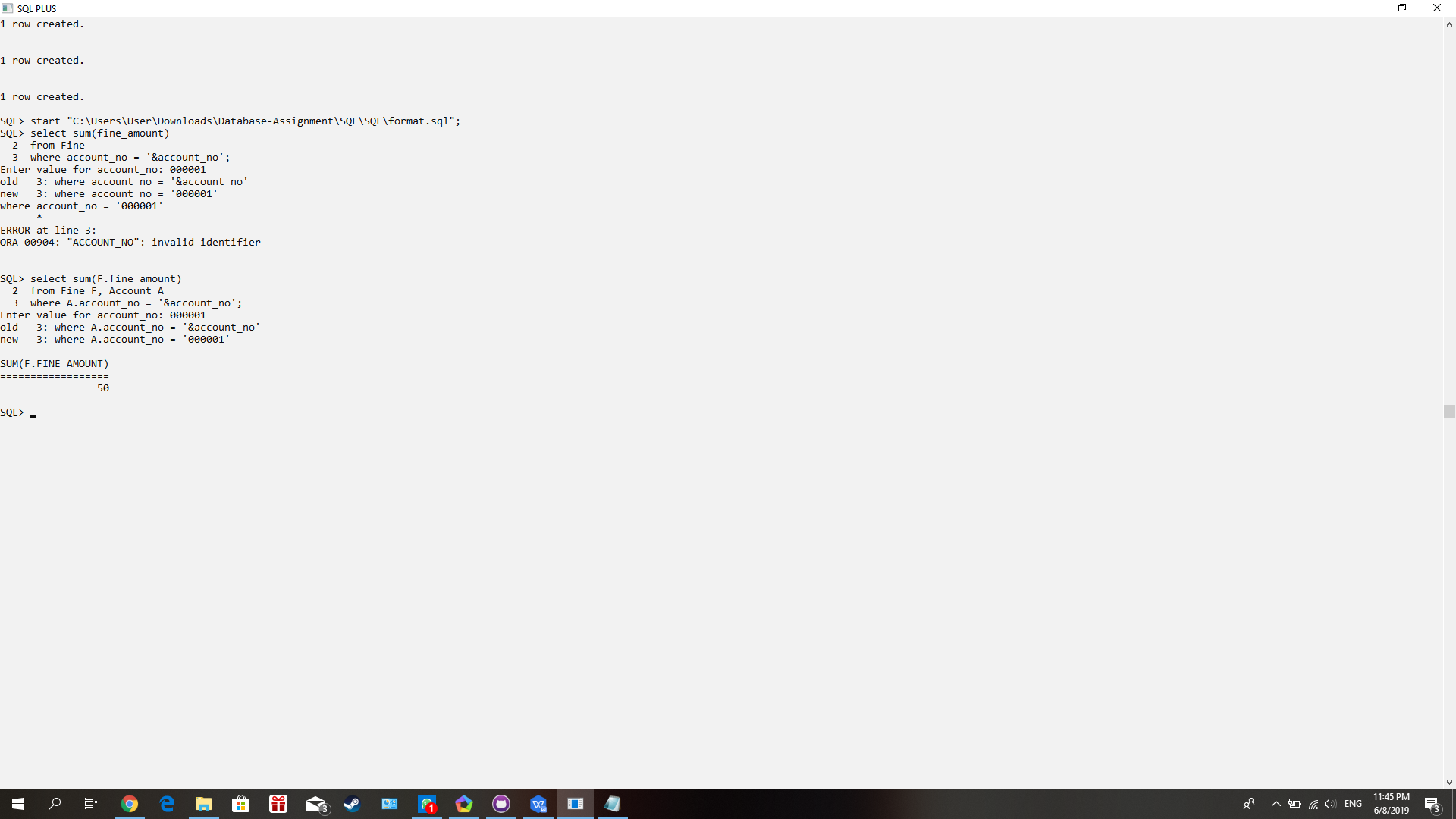
**Query No. 1**

Purpose: Show total fine amount by using account number.

1 select sum(F.fine\_amount)

2 from Fine F, Account A

3 where A.account\_no = ‘&account\_no’;



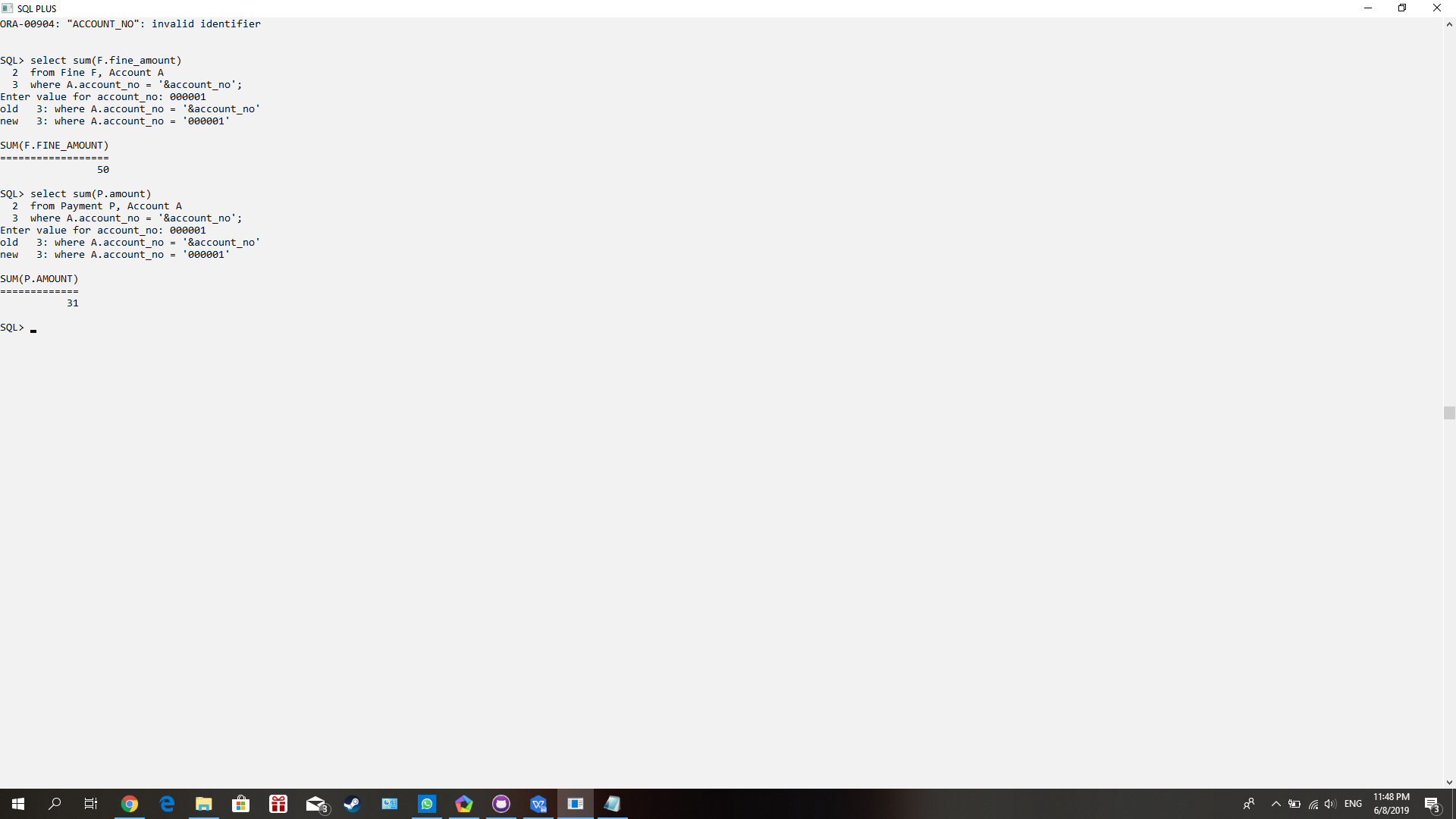
**Query No. 2**

Purpose: Show total payment amount by using account number.

1 select sum(P.amount)

2 from Payment P, Account A

3 where A.account\_no = ‘&account\_no’;



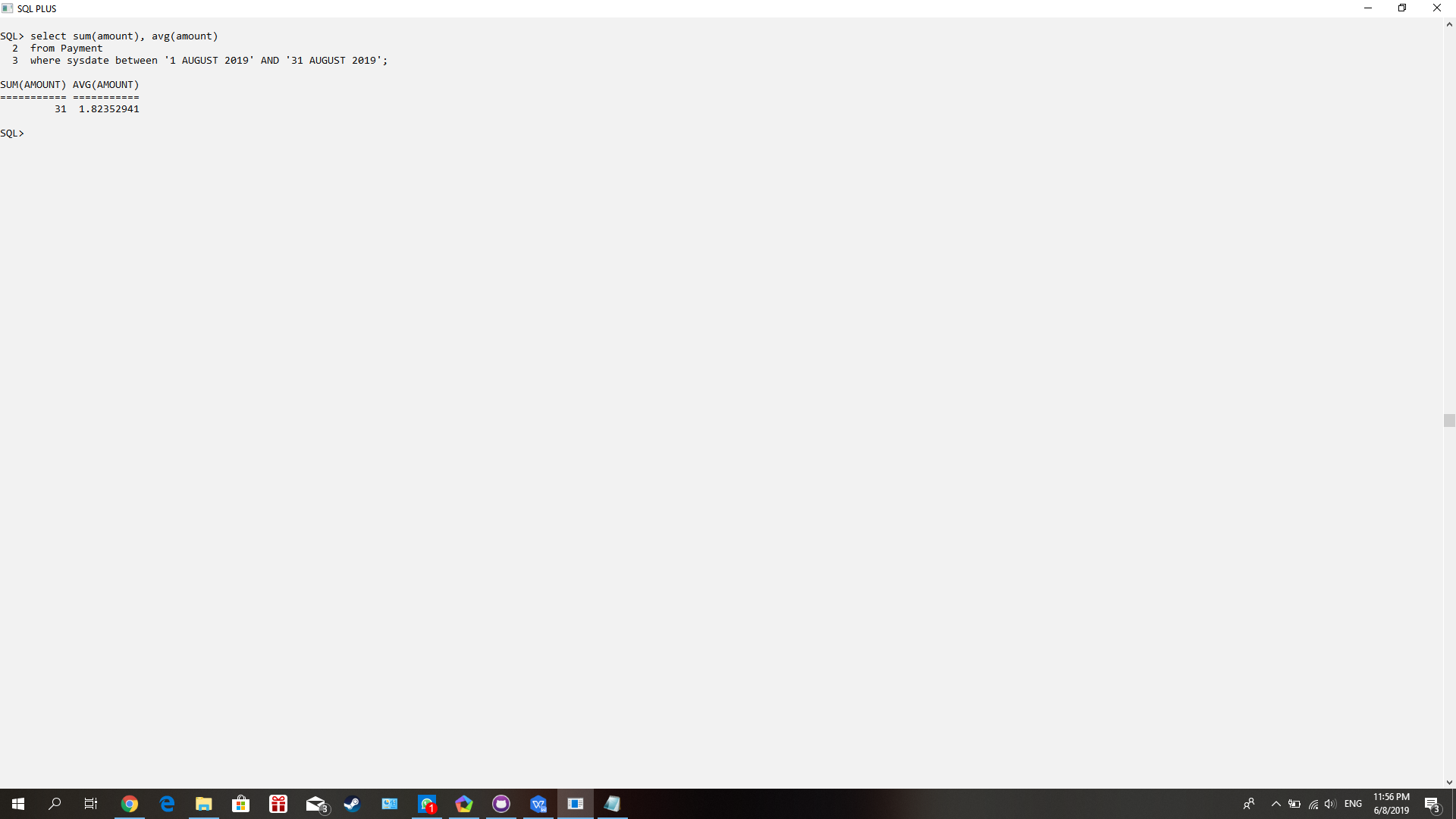
**Query No. 3**

Purpose: Show total and average payment amount per month.

1 select sum(amount), avg(amount)

2 from Payment

3 where sysdate between ‘1 AUGUST 2019’ AND ‘31 AUGUST 2019’;

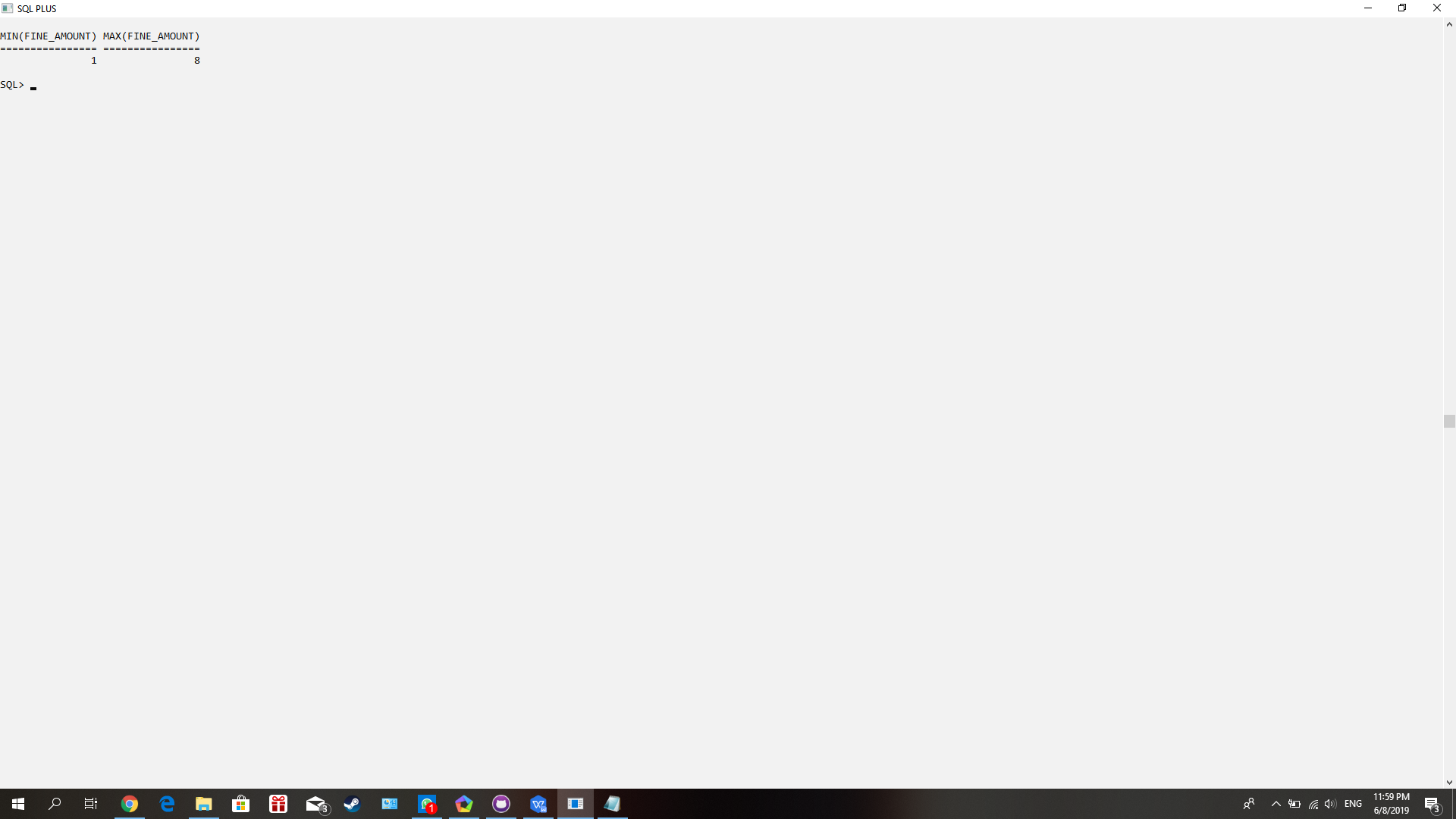


**Query No. 4**

Purpose: Show minimum and maximum of fine amount.

1 select min(fine\_amount), max(fine\_amount)

2 from Fine;



**Query No.5**

Purpose: Show reserve number by using book id through loan

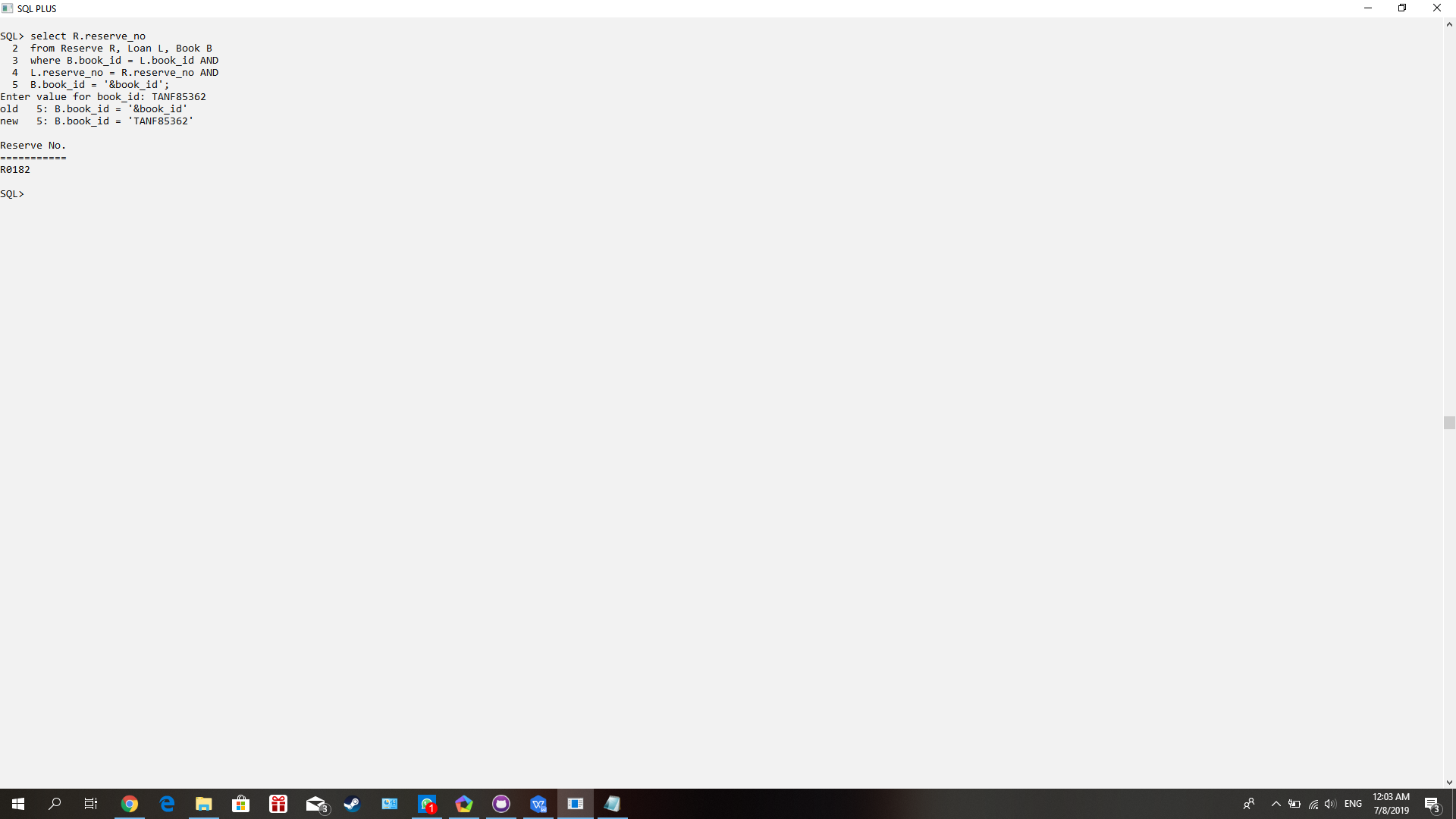
1 select R.reserve\_no

2 from Reserve R, Loan L, Book B

3 where B.book\_id = L.book\_id AND

4 L.reserve\_no = R.reserve\_no AND

5 B.book\_id = ‘&book\_id’;



**Query No.6**

Purpose: Show date created of a report by report number

1 select date\_created

2 from Report

3 where report\_no = ‘&report\_no’;

