QUESTION 5

1. No as each of the table used capital letter in the table instead of small letter. The primary key and foreign key does not specified in each of the table. The TBL\_ORDERS is high coupled as USERID and ORDERID depends on one another. When a customer data is removed it will resulted the TBL\_ORDERS row associate with the customer to be remove as well, hence the transaction record associate with the customer will be remove entirely.

2. The database table and column name should rename using small letter and each column name should not have space between instead replace it with underscore.

3.a. SELECT c.NAME,

t.QUANTITY\*t.UNIT\_PRICE AS total,

SUM(total) OVER (PARTITION BY c.NAME) AS total\_spend

FROM tbl\_orders o

JOIN tbl\_customers c on o.USERID = c.USERID

JOIN tbl\_transactions t on o.ORDERID = t.ORDERID

b.

c. SELECT c.NAME, t.ITEM

FROM tbl\_orders o

JOIN tbl\_customers c on o.USERID = c.USERID

JOIN tbl\_transactions t on o.ORDERID = t.ORDERID

WHERE c.NAME="Adam"

Apple, Peach and Durian