Johnny Lai's interview work

SQL script, retrieving the driver email, the delivery type(am/pm) and the total quantity (by delivery type and driver) on specific date - 2021-09-21

select Driver.Email as 'DRIVER_EMAIL', Delivery_Info.type as 'DELIVERY_TYPE', Delivery_Info.QUANTITY_OF_ALL_PRODUCTS from (

select driver_ID, type, sum(Delivery_Product_List.Quantity) as QUANTITY_OF_ALL_PRODUCTS from Delivery, Delivery_Product_List WHERE Delivery.Delivery_ID = Delivery_Product_List.Delivery_ID and Delivery.Date = '2021-09-21'
group by driver_ID, type) Delivery_Info
left join Driver on Delivery_Info.Driver_ID = Driver.ID order by Driver.Email, Delivery_Info.type

SQL playground for reference: https://www.db-fiddle.com/

Data schema script for reference

```sql
CREATE TABLE Driver (
  `ID` INTEGER,
  `Email` VARCHAR(11)
);

INSERT INTO Driver
  (`ID`, `Email`)
VALUES
  ('1', '111@abc.com'),
  ('2', '222@abc.com');


CREATE TABLE Delivery (
  `Delivery_ID` INTEGER,
  `Driver_ID` INTEGER,

  `Date` VARCHAR(10),
  `Type` VARCHAR(2)
);

INSERT INTO Delivery
  (`Delivery_ID`,`Driver_ID`, `Date`, `Type`)
VALUES
  ('1', '1', '2021-09-21', 'AM'),
  ('2', '1', '2021-09-21', 'PM'),
  ('3', '2', '2021-09-21', 'PM'),
  ('4', '2', '2021-09-22', 'PM');

CREATE TABLE Delivery_Product_List (
  `Delivery_ID` INTEGER,
  `Product_ID` VARCHAR(4),
  `Quantity` INTEGER
);

INSERT INTO Delivery_Product_List
  (`Delivery_ID`, `Product_ID`, `Quantity`)
VALUES
  ('1', 'ABC1', '2'),
  ('1', 'BBC2', '2'),
  ('2', 'CCD1', '3'),
  ('2', 'DDE4', '4'),
  ('3', 'CCD1', '3'),
  ('4', 'DDE4', '5');
```