**Problem 2**

**Database** - `shop`

**Table**

* `customer`
  + Columns - `id`, `first\_name`, `last\_name`, `email`, `date\_of\_birth`
* `seller`
  + Columns - `id`, `name`, `gender`
* `sales`
  + Columns - `id`, `customer\_id`, `seller\_id`, `date`, `amount`

**customer**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **id** | **first\_name** | **last\_name** | **email** | **date\_of\_birth** |
| 1 | Mayank | Pathak | mayank@gmail.com | 1988-01-14 |
| 2 | Ankit | Chaudhary | ankit@outlook.com | 1991-12-04 |
| 3 | Vijay | Saini | vijay@gmail.com | 1967-04-29 |
| 4 | Harish | Solanki | harish@outlook.con | 1973-07-11 |

**seller**

|  |  |  |
| --- | --- | --- |
| **id** | **name** | **gender** |
| 1 | Pooja Pathak | female |
| 2 | Chandan Chaudhary | male |
| 3 | Saloni Saini | female |
| 4 | Sandeep Solanki | male |

**sales**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **id** | **customer\_id** | **seller\_id** | **date** | **amount** |
| 1 | 1 | 3 | 2017-01-14 | 2738 |
| 2 | 1 | 2 | 2017-12-04 | 9341 |
| 3 | 3 | 1 | 2017-04-29 | 8239 |
| 4 | 4 | 2 | 2017-07-11 | 4752 |

**Before Starting**

* Create the database and tables
* Populate the tables
  + 5 customers
  + 5 sellers
  + 15 sales

**Your challenge**

* List all sales with the following info
  + Customer Name (Name format - **<lastname> , <firstname>**)
  + Seller Name
  + Amount
* The list should be sorted the customer first name and also by the sale amount, in ascending order.

i.e. All purchase of Ankit should come before purchases of Mayank. If Mayank did two purchase, his first purchase shown should be of a lower value and the next of higher and so on.

**Solution :**

SELECT concat(customer.last\_name ,' ', customer.first\_name) AS customer\_name, seller.name,sale.amount FROM ((sale INNER JOIN customer ON sale.customer\_id = customer.id) INNER JOIN seller ON sale.seller\_id = seller.id) ORDER BY customer.first\_name,sale.amount