**Problem 3**

**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 the customers, with their total sale amount. The list should be ordered by the total sale amount.
* I.e. if a customer made two purchases of 100 and 200, their 300 should be available against their name.

Solution:

SELECT concat(customer.first\_name, ' ' , customer.last\_name) AS customer\_name, SUM(sale.amount) FROM (customer INNER JOIN sale on customer.id = sale.customer\_id) GROUP BY customer.first\_name ORDER BY sum(sale.amount)