**Problem 4**

**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 the sales, which were sold by a female to a person who is older than the age 35.
* The list should be sorted by amount of sale.

**Solution:**

select sale.id, sale.amount from ((sale inner join customer on sale.customer\_id = customer.id AND floor(datediff(sale.sale\_date, customer.birth\_date)/365)> 35) inner join seller on sale.seller\_id = seller.id AND seller.gender = 'female') order by sale.amount