

## SQL AVANCE

CUSTOMER						PRODUCT				
ID	NAME	EMAIL	GENDER	LANGUAGE	CREATIONDATE	ID	MAINPRODUCTID	LANGUAGE	NAME	PRICE_EUR
1	Lorne Landyn	lorne.landyn@gmail.com	Male	FR	7-Jan-2014	1	1	EN	Bag	25
2	Darren Sylvia	dsylvia@gmail.com	Male	FR	8-Mar-2015	2	2	EN	Necklace	50
3	Geneva Avaline	null	Female	FR	8-Mar-2014	3	3	EN	Watch	100
4	Sefton Jaydon	seftonjaydon@gmail.com	Male	EN	11-Mar-2019	4	1	FR	Sac	25
5	Essie Terri	essie.terrie@gmail.com	Female	EN	8-May-2018	5	2	FR	Collier	50
6	Jaylee Charissa	jaylee.c@gmail.com	Female	FR	9-May-2016	6	3	FR	Montre	100
7	Skyla Shirlee		Female	EN	9-Oct-2015					
8	Hadyn Tatum	hadyn.tatum@gmail.com	Male	FR	9-Nov-2014					
9	Valary Imogen	valary.imogen@yahoo.com	Male	EN	28-Jul-2017					
10	Alphonso Oaklyn	alphonso.oaklyn@gmail.com	Male	FR	1-Jul-2019					
11	Essie Doe	essie.terrie@gmail.com	Female	FR	11-Mar-2019					
EMAILBOUNCES						TRANSACTION				
ID	CUSTOMERID	BOUNCETYPE	BOUNCEDATE			ID	CUSTOMERID	PRODUCTID	CREATIONDATE	
1	1	Soft Bounce	5-May-2021			1	1	1	7-Jan-2014	
2	10	Hard Bounce	28-Apr-2021			2	6	3	9-May-2016	
						3	2	2	8-Mar-2015	
						4	6	1	5-Feb-2021	
						5	3	3	8-Mar-2014	
						6	7	2	9-Oct-2015	
						7	4	1	11-Mar-2019	
						8	8	3	9-Nov-2014	
						9	5	2	8-May-2018	
						10	2	1	15-Apr-2021	

**Question 1:** Write query to determine the number of customers per gender and language.

**Question 2:** Write query to determine the number of customers, with valid emails, created per year, gender and language. The results should be sorted by year.

**Question 3:** Write query to determine the number of transactions per customer. Customers with no transactions should be displayed as well.

**Question 4:** Write query to determine the customers, whose total purchases are above or equal to 50 Euros.

**Question 5:** Write query to determine the list of customers based on the following rules:

- Emails should be valid.
- The most recent details must be taken for any customers with duplicate email addresses.
- Customers, who previously had any hard bounces, should be excluded.
- The title must be Mr or Mrs for any male and female customers with EN language and Monsieur or Madame for any male and female customers with FR language.