

SQL Examples



Let's Jump Into The Beautiful World of SQLs

Download Data: [tables_dump_July_11_2019.sql](#)

All Customers

```
SELECT * FROM CUSTOMER;
```

Number of Customers By Their City

```
SELECT count(*) as TOTAL, CITY FROM  
CUSTOMER GROUP BY CITY;
```

Customers From The City Wilmington

```
SELECT * FROM CUSTOMER Where City =  
'Wilmington';
```

All Customers With Their Name, City and Birthday

```
SELECT CUSTOMER.CUST_ID, CUSTOMER.CITY,  
INDIVIDUAL.BIRTH_DATE, INDIVIDUAL.FIRST_NAME,  
INDIVIDUAL.LAST_NAME, CUSTOMER.POSTAL_CODE FROM  
CUSTOMER, INDIVIDUAL WHERE CITY='Salem' AND  
CUSTOMER.CUST_ID = INDIVIDUAL.CUST_ID ;
```

All Customers With Their Name, City and Birthday (Better Way using JOIN)

```
SELECT CUSTOMER.CUST_ID, CUSTOMER.CITY,  
INDIVIDUAL.BIRTH_DATE, INDIVIDUAL.FIRST_NAME,  
INDIVIDUAL.LAST_NAME, CUSTOMER.POSTAL_CODE FROM  
CUSTOMER JOIN INDIVIDUAL ON CUSTOMER.CUST_ID =  
INDIVIDUAL.CUST_ID WHERE CITY='Salem'
```

All Customers With Their ID, Name, City and Birthday

```
SELECT CUSTOMER.CUST_ID, CUSTOMER.CITY, INDIVIDUAL.BIRTH_DATE, INDIVIDUAL.FIRST_NAME,  
INDIVIDUAL.LAST_NAME, CUSTOMER.POSTAL_CODE FROM CUSTOMER, INDIVIDUAL WHERE  
CUSTOMER.CUST_ID = INDIVIDUAL.CUST_ID ;
```

```
SELECT CUSTOMER.CUST_ID, CUSTOMER.CITY, INDIVIDUAL.BIRTH_DATE, INDIVIDUAL.FIRST_NAME,  
INDIVIDUAL.LAST_NAME, CUSTOMER.POSTAL_CODE FROM CUSTOMER JOIN INDIVIDUAL ON  
CUSTOMER.CUST_ID = INDIVIDUAL.CUST_ID ;
```

Total Balance of All Customers

```
Select SUM(AVAIL_BALANCE), CUST_ID FROM  
ACCOUNT GROUP BY CUST_ID;
```

```
Select SUM(AVAIL_BALANCE), CUST_ID,  
OPEN_BRANCH_ID FROM ACCOUNT GROUP BY  
CUST_ID, OPEN_BRANCH_ID;
```


Customers with More than 3000 in their Balance

```
SELECT * FROM (Select SUM(AVAIL_BALANCE) AS TOTAL,  
CUST_ID FROM ACCOUNT GROUP BY CUST_ID) As  
CUST_BALANCE WHERE TOTAL>3000
```

```
Select SUM(AVAIL_BALANCE) AS TOTAL, CUST_ID FROM  
ACCOUNT GROUP BY CUST_ID WHERE TOTAL>3000
```

Customers with More than 3000 in their Balance

```
Select SUM(AVAIL_BALANCE) AS TOTAL,  
ACCOUNT.CUST_ID, FIRST_NAME, LAST_NAME FROM  
ACCOUNT, INDIVIDUAL WHERE ACCOUNT.CUST_ID =  
INDIVIDUAL.CUST_ID GROUP BY CUST_ID HAVING  
TOTAL>3000
```

Total Balance of A Customer In A Branch

```
Select SUM(AVAIL_BALANCE),  
OPEN_BRANCH_ID, CUST_ID FROM ACCOUNT  
GROUP BY CUST_ID, OPEN_BRANCH_ID
```

Total Balance of A Customer And Branch Name In A Branch

```
Select SUM(AVAIL_BALANCE),  
OPEN_BRANCH_ID, CUST_ID, NAME FROM  
ACCOUNT, BRANCH WHERE  
ACCOUNT.OPEN_BRANCH_ID =  
BRANCH.BRANCH_ID GROUP BY CUST_ID,  
OPEN_BRANCH_ID
```

Resources

1. <https://www.w3resource.com/sql/tutorials.php>
2. <http://www.mysqltutorial.org/basic-mysql-tutorial.aspx>
3. https://www.youtube.com/watch?v=7S_tz1z_5bA