Data Manipulation and Cleaning work

Account Table

1. Convert the Date attribute into a yyyy-mm-dd by adding 24 in year format in Excel or SQL

```
=date(left(a1,2)+24,mid(a1,3,2),right(a1,2)).
Date_add("940612", Interval 24 Year).
```

2. Replace in frequency attribute "POPLATEK MESICNE" AS Monthly issuance, "POPLATEKTYDNE" AS weekly issuance, and "POPLATEK POBRATU" AS issuance after a transaction in Excel or create a case statement in SQL.

CARD Table

- 1. Replace type attribute value "junior" as Sliver, "Classic" as Gold, And "Gold" as Diamond by using replace in Excel or by using update in SQL.
- 2. Convert issued attribute into yyyy-mm-dd adding 23 in year.

CLIENT Table

1. Convert bith_number attribute to yyyy-mm-dd format and also create another column named sex by applying in bith_number 0 for females and 1 for males.

```
(=if(mod(birth_number,2)=0, "Female", "Male") in excel or using case statement in SQL. =date(left(a1,2)+24,mid(a1,3,2),right(a1,2)).
```

DISTRICT Table

1. Change all column names and **delete the attributes a12 and a13** and rename

```
a15 -> No_committed_crime_2017 and a16 -> No_committed_crime_20178
```

district.csv

Demographic

COLUMN NAME	TYPE	DESCRIPTION
# a1 ①	integer	dis <mark>t</mark> rict code
□ a2 ③	string	district name
□ a3 ③	string	region
# a4 ①	integer	no. of inhabitants
# a5 ①	integer	no. of municipalities with inhabitants < 499
# a6 ①	integer	no. of municipalities with inhabitants 500-1999
# a7 🗓	integer	no. of municipalities with inhabitants 2000-9999
# a8 🗓	integer	no. of municipalities with inhabitants > 10000
# a9 i	Integer	no, of cities
# a10 🗓	decimal	ratio of urban inhabitants
# a11 ①	Integer	average salary
# a12 ①	decimal	unemployment rate '95
# a13 (i)	decimal	unemployment rate '96
# a14 ①	Integer	no. of entrepreneurs per 1000 inhabitants
# a15 🗓	Integer	no. of committed crimes '95
# a16 ①	Integer	no. of committed crimes '96

LOAN Table

- 1. Convert the Date Attribute into yyyy-mm-dd format adding 23 in year.
- 2. Convert Status Attribute value
 - "A" -> Contract Finished,
 - "B" -> Loan Not Paid,
 - "C" -> Running Contract,
 - "D" -> Client in debt.