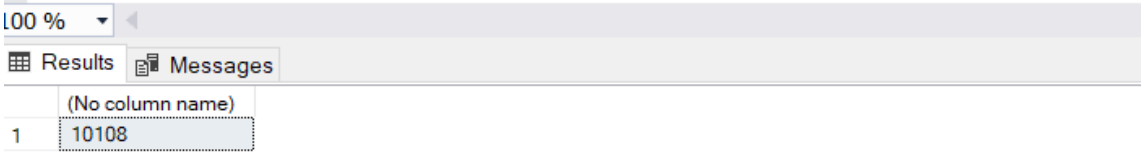
1. CREATE database CCDB
2. Import Data into CCDB through csv

```
select count(*) from CreditCardTrans_details;
select count(*) from CreditCardCust_details;
```



3. Verify data by using SQL Query

```
select count(*) from CreditCardTrans_details;
select count(*) from CreditCardCust_details;
```

Connect CCDB with Power BI deskstop

4. Create new column in customer table for making different age groups as per the DAX code below in order to make bins for age

```
AgeGroup = SWITCH(

TRUE(),
'customer'[Customer_Age] < 30, "20-30",
'customer'[Customer_Age] >= 30 && 'customer'[Customer_Age] < 40, "30-40",
'customer'[Customer_Age] >= 40 && 'customer'[Customer_Age] < 50, "40-50",
'customer'[Customer_Age] >= 50 && 'customer'[Customer_Age] < 60, "50-60",
'customer'[Customer_Age] >= 60, "60+",
"unknown"
)
```

5. Create new column Revenue by writing

```
Revenue =
credit_card[Annual_Fees]+credit_card[Total_Trans_Amt]+credit_card[Interest_Earned]
```

6. Calculate current week number as

```
Current_week_Reveneue = CALCULATE(
SUM('credit_card'[Revenue]),
FILTER(
ALL('credit_card'),
eeknum] = MAX('credit_card'[weeknum])))
```

7. Calculation for Sankey Chart

```
Table =
UNION(
    SUMMARIZE(
        SELECTCOLUMNS('CreditCardTrans_detail',"Source",'CreditCardTrans_detail'[qtr],"Target",'CreditCardTrans_detail'[card_category]),
        [Source],
        [Target],
        "Occures",COUNT('CreditCardTrans_detail'[Revenue]),
        "Revenue",SUM('CreditCardTrans_detail'[Revenue])),
        SUMMARIZE(
        SELECTCOLUMNS('CreditCardTrans_detail',"Source",'CreditCardTrans_detail'[card_category],"Target",'CreditCardTrans_detail'[use_chip]),
        [Source],
        [Target],
        "Occures",COUNT('CreditCardTrans_detail'[Revenue]),
        "Revenue",SUM('CreditCardTrans_detail'[Revenue])))
```