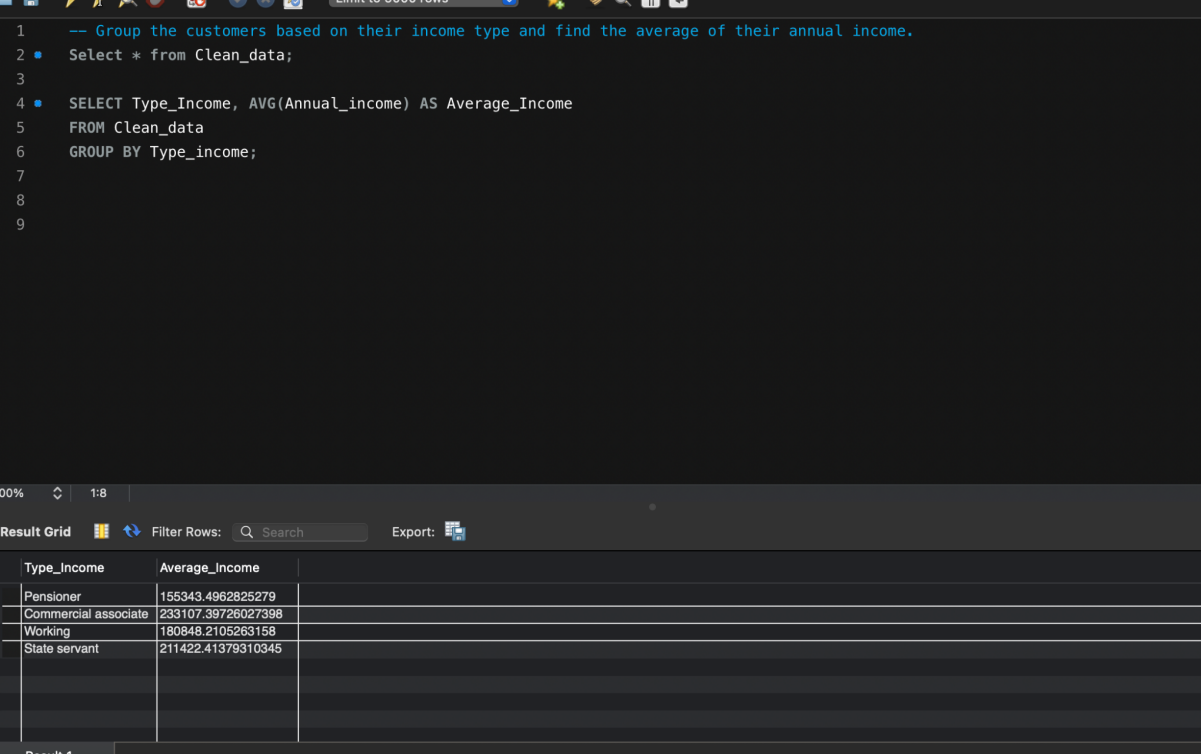


After cleaning the data used the syntax to export data to csv and then upload in sql weekbench :

```
df.to_csv('clean_data.csv', index=False)
```

Q1) Group the customers based on their income type and find the average of their annual income.



```
1  -- Group the customers based on their income type and find the average of their annual income.
2  Select * from Clean_data;
3
4  SELECT Type_Income, AVG(Annual_income) AS Average_Income
5  FROM Clean_data
6  GROUP BY Type_income;
7
8
9
```

Result Grid

Type_Income	Average_Income
Pensioner	155343.4962825279
Commercial associate	233107.39726027398
Working	180848.2105263158
State servant	211422.41379310345

Q2)-- Find the female owners of cars and property.

Limit to 5000 rows

```

1  -- Find the female owners of cars and property.
2
3  SELECT Ind_ID
4  FROM clean_data
5  WHERE Gender = 'F' and Car_Owner = 'Y' and propert_Owner= "Y"

```

100% 1:3

Result Grid Filter Rows: Search Export:

Ind_ID
5018498
5018501
5018503
5024213
5036660
5053254
5065348
5068389
5068651

Q3) -- Find the male customers who are staying with their families.

```

1  -- Find the male customers who are staying with their families.
2  Select Ind_ID
3  from Clean_data
4  WHERE Gender = 'M' AND Family_Members > 1
5
6

```

00% 41:4

Result Grid Filter Rows: Search Export:

Ind_ID
5008827
5010864
5010868
5021303
5021310
5021314
5021998
5022617

Q4) -- Please list the top five people having the highest income.

```
1  -- Please list the top five people having the highest income.
2
3  • SELECT Ind_ID, Annual_income
4     FROM Clean_data
5     ORDER BY Annual_income DESC
6     LIMIT 5;
```

00% 9:6

Result Grid Filter Rows: Search Export: Fetch rows:

Ind_ID	Annual_income
5143235	1575000
5143231	1575000
5079016	900000
5079017	900000
5090470	900000

Clean\_data 1

Q5)-- How many married people are having bad credit?

1 -- How many married people are having bad credit?  
2 • Select \* From Clean\_data;  
3  
4 • Select Count(Ind\_ID)  
5 from clean\_data  
6 WHERE Marital\_status = 'Married' And Label ='1';  
7  
8

100% 49:6

Result Grid Filter Rows: Search Export:

Count(Ind_ID)
114

Result 1

Q6) -- What is the highest education level and what is the total count?

```
1  -- What is the highest education level and what is the total count?
2  •  Select * from Clean_data;
3
4  •  SELECT Education, COUNT(*) AS TotalCount
5  FROM Clean_data
6  Where Education = 'Academic degree'
7  GROUP BY Education
8  ORDER BY TotalCount DESC
9  LIMIT 1;
```

00% 9:9

Result Grid Filter Rows: Search Export: Fetch rows:

Education	TotalCount
Academic degree	2

Q)-- Between married males and females, who is having more bad credit?

```
1  -- Between married males and females, who is having more bad credit?
2
3  •  SELECT Gender, COUNT(*) AS BadCreditCount
4  FROM Clean_data
5  WHERE Marital_status = 'Married'
6  AND Label = '1'
7  GROUP BY Marital_status, Gender;
8
```

100% 1:8

Result Grid Filter Rows: Search Export:

Gender	BadCreditCount
M	51
F	63