#### **Task 01:**

1) Find all branch names and cities with assets more than 1000000. (on single table)

⊕ BRANCH_NAME	⊕ BRANCH_CITY	
1 Redwood	Palo Alto	2100000
<sup>2</sup> Perryridge	Horseneck	1700000
3 Round Hill	Horseneck	8000000
4 North Town	Rye	3700000
5 Brighton	Brooklyn	7000000

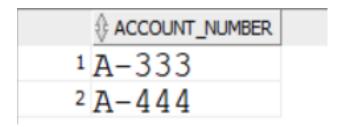
#### **Task 02:**

2) Find all account numbers and their balance which are opened in 'Downtown' branch or which have balance in between 600 and 750. (on single table)

	BALANCE	
<sup>1</sup> A-101	500	
<sup>2</sup> A-215	700	
<sup>3</sup> A-222	700	
<sup>4</sup> A-217	750	
$^{5}A-444$	625	

#### **Task 03:**

3) Find all account numbers which are opened in a branch located in 'Rye' city. (multiple tables)



#### **Task 04:**

4) Find all loan numbers which have amount greater than or equal to 1000 and their customers are living in 'Harrison' city. (multiple tables)

<sup>1</sup> L-17	
<sup>2</sup> L-15	

## **Task 05:**

5) Display the account related information based on the descending order of the balance. (order by clause)

	BRANCH_NAME	
<sup>1</sup> A-201	Perryridge	900
<sup>2</sup> A-333	Central	850
<sup>3</sup> A-217	Brighton	750
4 A-215	Mianus	700
<sup>5</sup> A-222	Redwood	700
6 A-444	North Town	625
<sup>7</sup> A-101	Downtown	500
8 A-102	Perryridge	400
<sup>9</sup> A-305	Round Hill	350

## **Task 06:**

6) Display the customer related information in alphabetic order of customer cities. (order by clause)

<sup>1</sup> Brooks	Senator	Brooklyn
<sup>2</sup> Hayes	Main	Harrison
3 Jones	Main	Harrison
4 Johnson	Alma	Palo Alto
5 Adams	Spring	Pittsfield
6 Lindsay	Park	Pittsfield
<sup>7</sup> Williams	Nassau	Princeton
8 Curry	North	Rye
9 McBride	Safety	Rye
10 Smith	Main	Rye
11 Majeris	First	Rye
12 Jackson	University	Salt Lake
13 Green	Walnut	Stamford
14 Turner	Putnam	Stamford
15 Glenn	Sand Hill	Woodside

# **Task 07:**

7) Find all customer names who have an account as well as a loan. (intersect)

	CUSTOMER_NAME	
1	Hayes	
2	Jones	
3	Smith	

# **Task 08:**

8) Find all customer related information who have an account or a loan. (union)

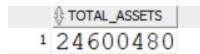
<sup>1</sup> Jones Main Harrison	
<sup>2</sup> Smith Main Rye	
3 Hayes Main Harrison	
<sup>4</sup> Lindsay Park Pittsfie	ld
5 Turner Putnam Stamford	
6 Johnson Alma Palo Alto	O
<sup>7</sup> Majeris First Rye	
8 Curry North Rye	
<sup>9</sup> Williams Nassau Princeton	n
10 Adams Spring Pittsfie	ld
11 Jackson University Salt Lake	9
12 McBride Safety Rye	

## **Task 09:**

9) Find all customer names and their cities who have a loan but not an account. (minus)

1 Curry	Rye
<sup>2</sup> Williams	Princeton
3 Adams	Pittsfield
4 Jackson	Salt Lake
5 McBride	Rye

# **Task 10:**



# **Task 11:**

11) Find the average balance of accounts at each branch. (aggregate function)

♦ BRANCH_NAME	\$ AVG(BALANCE)
1 Downtown	500
<sup>2</sup> Mianus	700
<sup>3</sup> Perryridge	650
4 Round Hill	350
5 Redwood	700
6 Brighton	750
<sup>7</sup> Central	850
8 North Town	625

## **Task 12:**

12) Find the average balance of accounts at each branch city. (aggregate function)

⊕ BRANCH_CITY	AVG_BALANCE
	*
<sup>1</sup> Brooklyn	625
<sup>2</sup> Horseneck	587.5
3 Palo Alto	700
4 Rye	737.5

## **Task 13:**

13) Find the lowest amount of loan at each branch. (aggregate function)

	BRANCH_NAME	\$ LOWEST_AMOUNT
1	Downtown	1000
2	Redwood	2000
3	Perryridge	1300
4	Mianus	500
5	Round Hill	900
6	North Town	7500
7	Central	570

## **Task 14:**

14) Find the total number of loans at each branch. (aggregate function)

	NUM_OF_LOAN
1 Downtown	2
<sup>2</sup> Redwood	1
<sup>3</sup> Perryridge	2
<sup>4</sup> Mianus	1
5 Round Hill	1
6 North Town	1
7 Central	1

# **Task 15:**

15) Find the customer name and account number of the account which has the highest balance. (aggregate function)

CUSTOMER_NAME		MAX_BALANCE	
<sup>1</sup> Johnson	A-201	900	