1A) Create the following tables and insert the values:

ACCOUNT(ACCNO VARCHAR(10)PRIMARY KEY,BRANCH_NAME VARCHAR(10),BALANCE NUMERIC(10))

Insert following data into the table and display the table after all insertions.

ACCNO	BRANCH_NAME	BALANCE
A-101	DOWNTOWN	500
A-102	PERRYRIDGE	1 400
A-201	BRIGHTON	400
A-215	MIANUS	1 700
A-217	BRIGHTON	750
A-222	REDWOOD	700
1 A-305	ROUNDHILL	350

TABLE DEPOSITOR(CUSTOMER_NAME VARCHAR(10),ACCOUNT_NUMBER VARCHAR(10))

Insert following data into the table and display the table after all insertions. O/P:

CUSTOMER_NAME	ACCOUNT_NUMBER
HAYES	H A−102
JOHNSON	A-101
JONES	A-217
LINDSAY	I A-222
SMITH	A-215
! TURNER	I A-205
+	+

BRANCH(BRANCH_NAME VARCHAR(10),BRANCH_CITY VARCHAR(10),ASSETS NUMERIC(10))

Insert following data into the table and display the table after all insertions. O/P:

BRANCH_NAME	BRANCH_CITY	BALANCE
BRIGHTON	: BROOKLYN	: 7100000
DOWNTOWN	BROOKLYN	1 9000000
MIANUS	HORSENECK	1 400000
DOWNTOWN	: BROOKLYN	1 9000000 1
NORTHTOWN	1 RYE	1 3700000 1
PERRYRIDGE	HORSENECK	1 1700000 1
PONOWAL	: BENNINGTON	1 300000
REDWOOD	: PALOALTO	1 2100000 1
ROUNDHILL	HORSENECK	1 8000000
•	+	+

CUSTOMER(CUSTOMER_NAME VARCHAR(10),CUSTOMER_STREET VARCHAR(10),CITY VARCHAR(10))

Insert following data into the table and display the table after all insertions.

O/P:

CUSTOMER_NAME	CUSTOMER_STREET	CITY
ADAMS	SPRING	PITTSFIELD
BROOKS	SENATOR	: BROOKLYN
CURRY	NORTH	RYE
GLENN	SANDHILL	: WOODSIDE
GREEN	: WALNUT	STAMFORD
HAYES	: MAIN	HARRISON
JOHNSON	: ALMA	: PALOALTO
JONES	: MAIN	HARRISON
LINSDAY	! PARK	: PITTSFIELD
SMITH	I NORTH	: RYE
TURNER	: PUTNAM	STAMFORD
WILLIAMS	I NASSAU	: PRINCETON

LOAN(LOAN_NUMBER VARCHAR(10) PRIMARY KEY,BRANCH_NAME VARCHAR(10),AMOUNT NUMERIC(10))

Insert following data into the table and display the table after all insertions. Q:SELECT * FROM LOAN;

O/P:

BRANCH_NAME	AMOUNT	
: ROUNDHILL	1 900	
DOWNTOWN	1 1500	
: PERRYRIDGE	1 1500	
: PERRYRIDGE	1 1300	
: DOWNTOWN	1 1000	
: REDWOOD	1 2000	
MIANUS	1 500	
	ROUNDHILL DOWNTOWN PERRYRIDGE PERRYRIDGE DOWNTOWN REDWOOD	DOWNTOWN

Create table borrower

TABLE BORROWER(CUSTOMER_NAME VARCHAR(10),LOAN_NUMBER VARCHAR(10))

Insert following data into the table and display the table after all insertions.

O/P·

4	+	+
CUSTOMER_NAME	LOAN_NUMBER	!
ADAMS	L-16	ī
: CURRY	1 L-93	1
: HAYES	L-15	:
: JACKSON	L-14	1
: JONES	L-17	:
: SMITH	L-11	1
: SMITH	L-23	1
: WILLIAMS	L-17	1

- a) For all customers who have a loan from the bank.find their names,loan numbers and loan amount
- b) .Find the names of all customers whose street address including the substring 'main'.
- c) List loan data ordered by decreasing amount then increasing loan numbers.
- d) .Find all the bank customers having a loan or an account or both at the bank.

2A) Create the following tables and insert the values:

Insert following data into the table and display the table after all insertions.

ACCNO	BRANCH_NAME	BALANCE
A-101	DOWNTOWN	500
A-102	PERRYRIDGE	400
A-201	BRIGHTON	400
A-215	! MIANUS	700
A-217	! BRIGHTON	1 750
A-222	! REDWOOD	700
A-305	ROUNDHILL	350

TABLE DEPOSITOR(CUSTOMER_NAME VARCHAR(10),ACCOUNT_NUMBER VARCHAR(10))

Insert following data into the table and display the table after all insertions.

O/P:

CUSTOMER NAME	ACCOUNT_NUMBER
HAYES JOHNSON JONES LINDSAY	A-102 A-101 A-217 A-222
SMITH TURNER	H-222 A-215 A-205

BRANCH(BRANCH_NAME VARCHAR(10),BRANCH_CITY VARCHAR(10),ASSETS NUMERIC(10))

Insert following data into the table and display the table after all insertions.

O/P:

BRANCH_NAME	BRANCH_CITY	BALANCE
BRIGHTON	BROOKLYN	7100000
DOWNTOWN	BROOKLYN	1 9000000
: MIANUS	HORSENECK	1 400000
DOWNTOWN	BROOKLYN	1 9000000
NORTHTOWN	RYE	1 3700000
! PERRYRIDGE	HORSENECK	1 1700000
PONOWAL	BENNINGTON	300000
REDWOOD	PALOALTO	1 2100000
ROUNDHILL	HORSENECK	8000000

 $\hbox{\tt CUSTOMER}(\hbox{\tt CUSTOMER_NAME VARCHAR}(10), \hbox{\tt CUSTOMER_STREET VARCHAR}(10), \hbox{\tt CITY VARCHAR}(10)) \\$

Insert following data into the table and display the table after all insertions.

CUSTOMER_NAME	CUSTOMER_STREET	CITY
ADAMS	SPRING	PITTSFIELD
BROOKS	: SENATOR	: BROOKLYN
CURRY	: NORTH	! RYE
GLENN	: SANDHILL	: WOODSIDE
GREEN	: WALNUT	! STAMFORD
HAYES	: MAIN	HARRISON
JOHNSON	: ALMA	! PALOALTO
JONES	: MAIN	HARRISON
LINSDAY	: PARK	! PITTSFIELD
SMITH	I NORTH	! RYE
TURNER	: PUTNAM	: STAMFORD
WILLIAMS	I NASSAU	! PRINCETON
	+	+

LOAN(LOAN_NUMBER VARCHAR(10) PRIMARY KEY,BRANCH_NAME

VARCHAR(10), AMOUNT NUMERIC(10))

Insert following data into the table and display the table after all insertions. Q:SELECT * FROM LOAN;

O/P:

LOAN_NUMBER	BRANCH_NAME	AMOUNT
L-11	ROUNDHILL	900
L-14	DOWNTOWN	1500
L-15	PERRYRI DGE	1500
L-16	PERRYRIDGE	1300
L-17	DOWNTOWN	1000
L-23	REDWOOD	2000
L-93	: MIANUS	500

Create table borrower

TABLE BORROWER(CUSTOMER_NAME VARCHAR(10),LOAN_NUMBER VARCHAR(10))

Insert following data into the table and display the table after all insertions.

O/P:

CUSTOMER_NAME	LOAN_NUMBER	+
I ADAMS	L-16	1
CURRY	L-93	1
HAYES	L-15	H
I JACKSON	L-14	1
! JONES	L-17	H
! SMITH	L-11	1
: SMITH	L-23	H
WILLIAMS	! L-17	!

- a) For all customer who have a loan from the bank.find their names and loan numbers with suitable attribute loan_number replaced by loan id.
- b) Find the customer names, loan numbers and loan amounts for all loans at perryridge branch.
- c) Find all customers who have an account but no loan at the bank.
- d) .Find the avg account balance at each branch.

3A) Create the following tables and insert the values:

ACCOUNT(ACCNO VARCHAR(10)PRIMARY KEY,BRANCH_NAME VARCHAR(10),BALANCE NUMERIC(10))

Insert following data into the table and display the table after all insertions.

i	ACCNO	1	BRANCH_NAME	BALANCE
ī	A-101	ï	DOWNTOWN	500
i	A-102	1	PERRY RIDGE	400
i	A-201	i.	BRIGHTON	400
ì	A-215		MIANUS	1 700
i	A-217		BRIGHTON	750
i	A-222	1	REDWOOD	700
1	A-305	1	ROUNDHILL	350

TABLE DEPOSITOR(CUSTOMER_NAME VARCHAR(10),ACCOUNT_NUMBER VARCHAR(10))

Insert following data into the table and display the table after all insertions.

-	7/1.	
!	CUSTOMER_NAME	ACCOUNT_NUMBER
ī	HAYES	A-102
١	JOHNSON	A-101
ì	JONES	A-217
i	LINDSAY	I A-222
i	SMITH	A-215
1	TURNER	I A-205

BRANCH(BRANCH_NAME VARCHAR(10), BRANCH_CITY VARCHAR(10), ASSETS NUMERIC(10))

Insert following data into the table and display the table after all insertions.

+		!	+	
Į	BRANCH_NAME	BRANCH_CITY	i	BALANCE
	BRIGHTON	BROOKLYN	ï	7100000
	DOWNTOWN	: BROOKLYN		9000000
	MIANUS	HORSENECK	1	400000
	DOWNTOWN	: BROOKLYN	1	9000000
	NORTHTOWN	: RYE	1	3700000
	PERRY RIDGE	1 HORSENECK	1	1700000
	PONOWAL	BENNINGTON	1	300000
	REDWOOD	: PALOALTO	1	2100000
	ROUNDHILL	HORSENECK	1	8000000

CUSTOMER CUSTOMER NAME VARCHAR(10), CUSTOMER_STREET VARCHAR(10), CITY VARCHAR(10)) Insert following data into the table and display the table after all insertions.

O/P:

CUSTOMER_NAME	CUSTOMER_STREET	CITY
ADAMS	SPRING	PITTSFIELD
BROOKS	: SENATOR	: BROOKLYN
CURRY	: NORTH	! RYE
GLENN	: SANDHILL	: WOODSIDE
GREEN	: WALNUT	STAMFORD
HAYES	: MAIN	HARRISON
JOHNSON	: ALMA	: PALOALTO
JONES	: MAIN	HARRISON
LINSDAY	: PARK	: PITTSFIELD
SMITH	: NORTH	: RYE
TURNER	: PUTNAM	: STAMFORD
WILLIAMS	I NASSAU	: PRINCETON

LOAN(LOAN_NUMBER VARCHAR(10) PRIMARY KEY, BRANCH_NAME $VARCHAR(1\overline{0}),AMOUNT NUMERIC(10))$

Insert following data into the table and display the table after all insertions. Q:SELECT * FROM LOAN; O/P:

LOAN_NUMBER	BRANCH_NAME	AMOUNT
L-11	ROUNDHILL	900
L-14	DOWNTOWN	1500
L-15	PERRYRIDGE	1500
L-16	PERRYRIDGE	1300
L-17	DOWNTOWN	1000
L-23	REDWOOD	2000
L-93	: MIANUS	500

Create table borrower

TABLE BORROWER(CUSTOMER_NAME VARCHAR(10),LOAN_NUMBER VARCHAR(10))

Insert following data into the table and display the table after all insertions. O/P:

CUSTOMER_NAME	LOAN_NUMBER
ADAMS	L-16
: CURRY	! L-93
: HAYES	L-15
JACKSON	L-14
JONES	L-17
SMITH	! L-11
SMITH	L-23
: WILLIAMS	L-17
+	+

a) Add a phone_no to customer table.

- b) Transfer the accounts and loans of perryridge branch to downtown branch.
- c) Find those branches where the avg account balance is more than 500.
- d) Find all customers who do have a loan at the bank and but do not have an account at the bank

4A) Create the following tables and insert the values:

ACCOUNT(ACCNO VARCHAR(10)PRIMARY KEY, BRANCH NAME VARCHAR(10), BALANCE NUMERIC(10))

Insert following data into the table and display the table after all insertions.

ACCNO	1	BRANCH_NAME	BALANCE	9
A-101	ï	DOWNTOWN	500	į
A-102	1	PERRYRIDGE	1 400	ı
A-201	1	BRIGHTON	1 400	9
A-215		MIANUS	1 700	1
A-217	1	BRIGHTON	1 750	9
A-222		REDWOOD	1 700	
A-305	1	ROUNDHILL	1 350	9

TABLE DEPOSITOR(CUSTOMER_NAME VARCHAR(10), ACCOUNT_NUMBER VARCHAR(10))

Insert following data into the table and display the table after all insertions.

O/P:

i	CUSTOMER_NAME	ACCOUNT_NUMBER
ī	HAYES	A-102
1	JOHNSON	A-101
1	JONES	1 A-217
ı	LINDSAY	I A-222
1	SMITH	A-215
1	TURNER	1 A-205

BRANCH(BRANCH_NAME VARCHAR(10),BRANCH_CITY VARCHAR(10),ASSETS NUMERIC(10))

Insert following data into the table and display the table after all insertions.

BRANCH_NAME	BRANCH_CITY	BALANCE
BRIGHTON	BROOKLYN	7100000
DOWNTOWN	BROOKLYN	9000000
MIANUS	HORSENECK	400000
DOWNTOWN	BROOKLYN	9000000
NORTHTOWN	RYE	3700000
PERRYRIDGE	HORSENECK	1700000
PONOWAL	BENNINGTON	300000
REDWOOD	PALOALTO	2100000
ROUNDHILL	HORSENECK	8000000

CUSTOMER(CUSTOMER NAME VARCHAR(10), CUSTOMER STREET VARCHAR(10), CITY VARCHAR(10))

Insert following data into the table and display the table after all insertions.

O/P:

CUSTOMER_NAME	CUSTOMER_STREET	CITY
ADAMS	SPRING	PITTSFIELD
BROOKS	! SENATOR	: BROOKLYN
CURRY	: NORTH	: RYE
GLENN	! SANDHILL	: WOODSIDE
GREEN	: WALNUT	STAMFORD
HAYES	: MAIN	HARRISON
JOHNSON	: ALMA	: PALOALTO
JONES	! MAIN	HARRISON
LINSDAY	! PARK	: PITTSFIELD
SMITH	: NORTH	: RYE
TURNER	: PUTNAM	STAMFORD
WILLIAMS	I NASSAU	PRINCETON

LOAN(LOAN_NUMBER VARCHAR(10) PRIMARY KEY,BRANCH_NAME VARCHAR(10),AMOUNT NUMERIC(10)) Insert following data into the table and display the table after all insertions. Q:SELECT * FROM LOAN;

LOAN_NUMBER	BRANCH_NAME	AMOUNT
L-11	ROUNDHILL	900
L-14	DOWNTOWN	1500
L-15 L-16	PERRYRIDGE PERRYRIDGE	1 1500 1 1300
L-17	DOWNTOWN	1000
L-23	! REDWOOD	2000
L-93	: MIANUS	1 500

Create table borrower

TABLE BORROWER(CUSTOMER_NAME VARCHAR(10),LOAN_NUMBER VARCHAR(10))

Insert following data into the table and display the table after all insertions.

CUSTOMER_NAM	E LOAN_NUMBER
ADAMS	L-16
CURRY	1 L−93
HAYES	L-15
JACKSON	L-14
JONES	L-17
SMITH	L-11
SMITH	L-23
WILLIAMS	L-17

- a) List all accounts of perryridge branch with balance less than 1000.
- b) Drop the column phone_no from customer table
- c) .Find the names of all branches that have assets greater those of atleast 1 branch located in Brooklyn
- d) Find the avg balance for each customer who lives in harrison and hass at least 3 account.