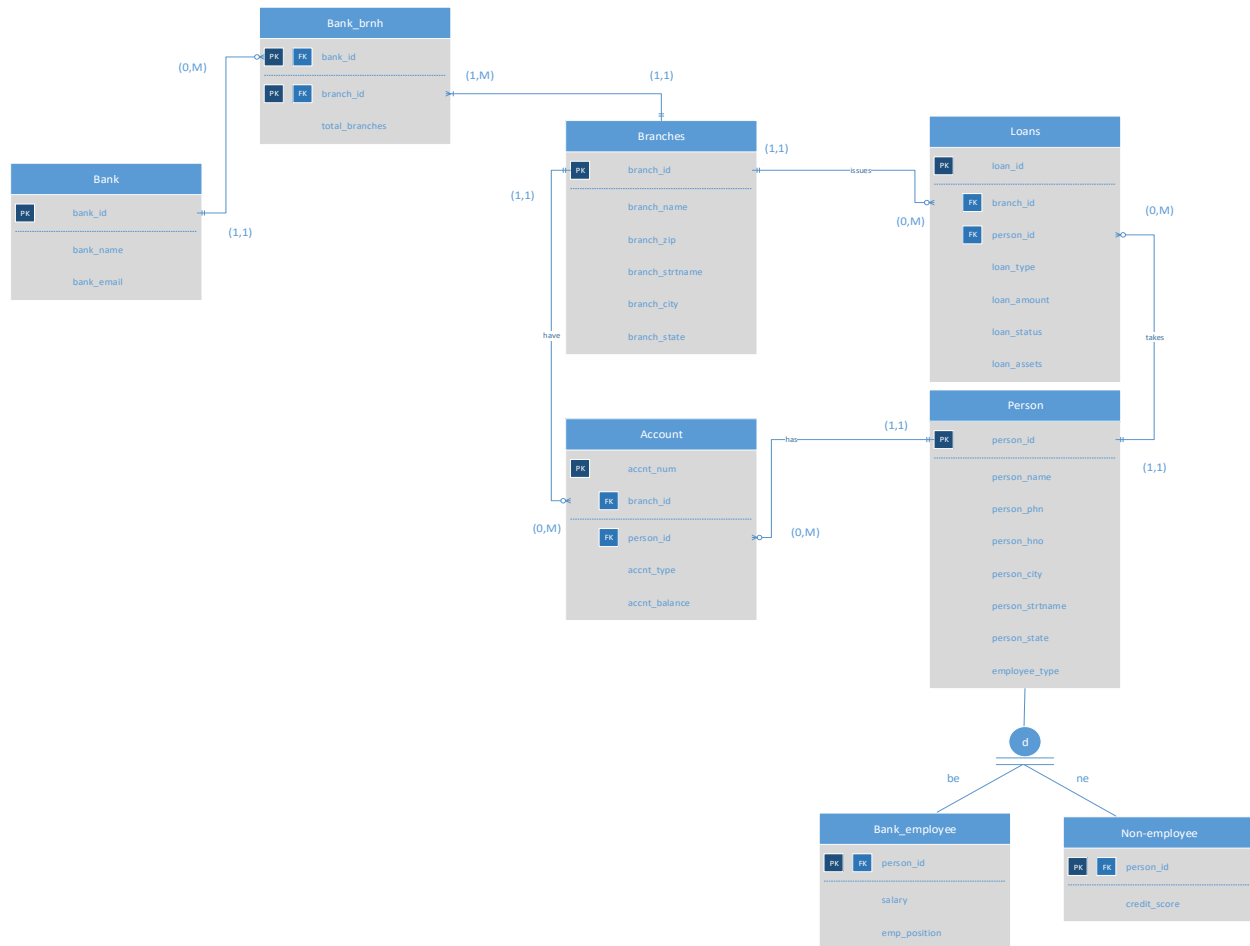


AIT-524-002  
Database Management Systems  
Assignment-9  
SUJAN CHAVA  
George Mason University

**ER- Diagram:****Inserting the data into tables:****1) Bank:**

Inserting rows and structure of table.

```

Worksheet | Query Builder
+-----+
insert into bank values (1, 'Bank of America', 'bank@bofa.com');
insert into bank values (2, 'PNC bank', 'pnc@gmail.com');
insert into bank values (3, 'Discover', 'discover@ymail.com');

describe bank;
select * from bank;
SUJAN CHAVA
+-----+

Script Output | Query Result
+-----+
1 row inserted.

1 row inserted.

1 row inserted.

Name      Null?    Type
-----
BANK_ID   NOT NULL NUMBER(3)
BANK_NAME          VARCHAR2(25)
BANK_EMAIL         VARCHAR2(35)
  
```

Displaying the content of table.

Worksheet Query Builder

```

insert into bank values(1,'Bank of America','bank@bofa.com');
insert into bank values(2,'PNC bank','pnc@gmail.com');
insert into bank values(3,'Discover','discover@ymail.com');

describe bank;
select * from bank;

```

SUJAN CHAVA

Script Output x Query Result x

SQL | All Rows Fetched: 3 in 0.224 seconds

BANK_ID	BANK_NAME	BANK_EMAIL
1	1 Bank of America	bank@bofa.com
2	2 PNC bank	pnc@gmail.com
3	3 Discover	discover@ymail.com

## 2) Branches:

Inserting rows and structure of table.

Worksheet Query Builder

```

insert into branches values(011,'Fairfax@bofa',22030,'Main street','fairfax','Virginia');
insert into branches values(012,'Balti@bofa',25080,'Ramona street','Baltimore','Virginia');
insert into branches values(013,'PNC@Fort',21005,'Royal street','Fort worth','Texas');

describe branches;
select * from branches;

```

SUJAN CHAVA

Script Output x Query Result x

Task completed in 4.27 seconds

1 row inserted.

1 row inserted.

1 row inserted.

Name	Null?	Type
BRANCH_ID	NOT NULL	NUMBER(3)
BRANCH_NAME		VARCHAR2(25)
BRANCH_ZIP		NUMBER(5)
BRANCH_STRTNAME		VARCHAR2(25)
BRANCH_CITY		VARCHAR2(25)
BRANCH_STATE		VARCHAR2(25)

Displaying the content of table.

Worksheet Query Builder

```

insert into branches values(011,'Fairfax@bofa',22030,'Main street','fairfax','Virginia');
insert into branches values(012,'Balti@bofa',25080,'Ramona street','Baltimore','Virginia');
insert into branches values(013,'PNC@Fort',21005,'Royal street','Fort worth','Texas');

describe branches;
select * from branches;
SUJAN CHAVA

```

Script Output x Query Result x

SQL | All Rows Fetched: 3 in 0.052 seconds

	BRANCH_ID	BRANCH_NAME	BRANCH_ZIP	BRANCH_STRTNAME	BRANCH_CITY	BRANCH_STATE
1	11	Fairfax@bofa	22030	Main street	fairfax	Virginia
2	12	Balti@bofa	25080	Ramona street	Baltimore	Virginia
3	13	PNC@Fort	21005	Royal street	Fort worth	Texas

### 3) Bank\_brnh:

Inserting rows and structure of table.

Worksheet Query Builder

```

insert into bank_brnh values(1,011,3);
insert into bank_brnh values(1,012,1);
insert into bank_brnh values(2,013,5);

describe bank_brnh;
select * from bank_brnh;
SUJAN CHAVA

```

Script Output x Query Result x

Task completed in 6.91 seconds

```

1 row inserted.

1 row inserted.

1 row inserted.

Name           Null?    Type
-----
BANK_ID        NOT NULL NUMBER(3)
BRANCH_ID      NOT NULL NUMBER(3)
TOTAL_BRANCHES          NUMBER(3)

```

Displaying the content of table.

```

insert into bank_brnh values(1,011,3);
insert into bank_brnh values(1,012,1);
insert into bank_brnh values(2,013,5);

describe bank_brnh;
select * from bank_brnh;
SUJAN CHAVA

```

Script Output x Query Result x

SQL | All Rows Fetched: 3 in 0.026 seconds

BANK_ID	BRANCH_ID	TOTAL_BRANCHES
1	1	11
2	1	12
3	2	13

#### 4) Person:

Inserting rows and structure of table.

```

insert into person values(111,'Venkat Annula','5714889290','H:NO- 4307','Fairfax','Ramona Dr','Virginia','be');
insert into person values(211,'Vamsi Gunala','5714884930','H:NO- 2071','Herndon','Shirle Dr','Virginia','be');
insert into person values(221,'Sujan Chava','5321884930','H:NO- 4303','Las Vegas','Freemont Strt','Nevada','ne');
insert into person values(321,'Varun Manepali','7821884930','H:NO- 10303','San Jose','Santa Strt','California','be');
insert into person values(121,'Tom Cruise','8432884930','H:NO- 3021','Canton','Feler Strt','Michigan','ne');
insert into person values(421,'Christien Stewart','4452884930','H:NO- 1530','Bronx','Belly Strt','New York','ne');

describe person;
select * from person;
SUJAN CHAVA

```

Worksheet Query Builder

Script Output x Task completed in 4.314 seconds

1 row inserted.

1 row inserted.

1 row inserted.

Name	Null?	Type
PERSON_ID	NOT NULL	NUMBER(3)
PERSON_NAME		VARCHAR2(25)
PERSON_PHN		VARCHAR2(25)
PERSON_HNO		VARCHAR2(25)
PERSON_CITY		VARCHAR2(25)
PERSON_STRTNAME		VARCHAR2(25)
PERSON_STATE		VARCHAR2(25)
EMPLOYEE_TYPE		VARCHAR2(2)

Displaying the content of table.

Worksheet Query Builder

```

insert into person values(111,'Venkat Anmula','5714889290','H:NO- 4307','Fairfax','Ramona Dr','Virginia','be');
insert into person values(211,'Vamsi Gunala','5714884930','H:NO- 2071','Herndon','Shirle Dr','Virginia','be');
insert into person values(221,'Sujan Chava','5321884930','H:NO- 4303','Las Vegas','Freemont Strt','Nevada','ne');
insert into person values(321,'Varun Manepali','7821884930','H:NO- 10303','San Jose','Santa Strt','California','be');
insert into person values(121,'Tom Cruise','8432884930','H:NO- 3021','Canton','Feler Strt','Michigan','ne');
insert into person values(421,'Christien Stewart','4452884930','H:NO- 1530','Bronx','Belly Strt','New York','ne');

describe person;
select * from person;

```

SUJAN CHAVA

Script Output x Query Result x

All Rows Fetched: 6 in 0.022 seconds

	PERSON_ID	PERSON_NAME	PERSON_PHN	PERSON_HNO	PERSON_CITY	PERSON_STRTNAME	PERSON_STATE	EMPLOYEE_TYPE
1	111	Venkat Anmula	5714889290	H:NO- 4307	Fairfax	Ramona Dr	Virginia	be
2	211	Vamsi Gunala	5714884930	H:NO- 2071	Herndon	Shirle Dr	Virginia	be
3	221	Sujan Chava	5321884930	H:NO- 4303	Las Vegas	Freemont Strt	Nevada	ne
4	321	Varun Manepali	7821884930	H:NO- 10303	San Jose	Santa Strt	California	be
5	121	Tom Cruise	8432884930	H:NO- 3021	Canton	Feler Strt	Michigan	ne
6	421	Christien Stewart	4452884930	H:NO- 1530	Bronx	Belly Strt	New York	ne

### 5) Account:

Inserting rows and structure of table.

Worksheet Query Builder

```

insert into account values('5013217180',011,111,'checking',4000);
insert into account values('5043217190',012,211,'savings',3000);
insert into account values('6014381801',013,221,'checking',2000);

describe account;
select * from account;

```

SUJAN CHAVA

Script Output x

Task completed in 5.063 seconds

```

1 row inserted.

1 row inserted.

1 row inserted.

```

Name	Null?	Type
ACCNT_NUM	NOT NULL	VARCHAR2 (10)
BRANCH_ID		NUMBER (3)
PERSON_ID		NUMBER (3)
ACCNT_TYPE		VARCHAR2 (25)
ACCNT_BALANCE		NUMBER

Displaying the content of table.

Worksheet Query Builder

```

insert into account values('5013217180',011,111,'checking',4000);
insert into account values('5043217190',012,211,'savings',3000);
insert into account values('6014381801',013,221,'checking',2000);

describe account;
select * from account;
SUJAN CHAVA

```

Script Output x Query Result x

SQL | All Rows Fetched: 3 in 0.033 seconds

	ACCNT_NUM	BRANCH_ID	PERSON_ID	ACCNT_TYPE	ACCNT_BALANCE
1	5013217180	11	111	checking	4000
2	5043217190	12	211	savings	3000
3	6014381801	13	221	checking	2000

## 6) Loans:

Inserting rows and structure of table.

Worksheet Query Builder

```

insert into loans values(101,011,111,'Housing',100000,'Pending',50000);
insert into loans values(201,013,211,'Car',5000,'Approved',1000);
insert into loans values(301,012,221,'Education',50000,'Pending',20000);

describe loans;
select * from loans;
SUJAN CHAVA

```

Script Output x

Task completed in 8.319 seconds

1 row inserted.

1 row inserted.

1 row inserted.

Name	Null?	Type
LOAN_ID	NOT NULL	NUMBER
BRANCH_ID		NUMBER
PERSON_ID		NUMBER
LOAN_TYPE		VARCHAR2(25)
LOAN_AMOUNT		NUMBER
LOAN_STATUS		VARCHAR2(25)
LOAN_ASSETS		NUMBER

Displaying the content of table.

Worksheet Query Builder

```

insert into loans values(101,011,111,'Housing',100000,'Pending',50000);
insert into loans values(201,013,211,'Car',5000,'Approved',1000);
insert into loans values(301,012,221,'Education',50000,'Pending',20000);

describe loans;
select * from loans;
SUJAN CHAVA

```

Script Output x Query Result x

SQL | All Rows Fetched: 3 in 0.022 seconds

	LOAN_ID	BRANCH_ID	PERSON_ID	LOAN_TYPE	LOAN_AMOUNT	LOAN_STATUS	LOAN_ASSETS
1	101	11	111	Housing	100000	Pending	50000
2	201	13	211	Car	5000	Approved	1000
3	301	12	221	Education	50000	Pending	20000

## 7) Bank\_employee:

Inserting rows and structure of table.

Worksheet Query Builder

```

insert into bank_employee values(111,60000,'Receptionist');
insert into bank_employee values(211,100000,'Manager');
insert into bank_employee values(221,80000,'Accountant');

describe bank_employee;
select * from bank_employee;
SUJAN CHAVA

```

Script Output x

Task completed in 4.007 seconds

1 row inserted.

1 row inserted.

1 row inserted.

Name	Null?	Type
PERSON_ID	NOT NULL	NUMBER
SALARY		NUMBER
EMP_POSITION		VARCHAR2 (25)



Displaying the content of table.

The screenshot shows the SQL Developer interface. The Query Builder window contains the following SQL code:

```
insert into bank_employee values(111,60000,'Receptionist');
insert into bank_employee values(211,100000,'Manager');
insert into bank_employee values(221,80000,'Accountant');

describe bank_employee;
select * from bank_employee;
```

Below the code, the name "SUJAN CHAVA" is visible. The Query Result window shows the following data:

	PERSON_ID	SALARY	EMP_POSITION
1	111	60000	Receptionist
2	211	100000	Manager
3	221	80000	Accountant

#### 8) Non\_employee:

Inserting rows and structure of table.

The screenshot shows the SQL Developer interface. The Query Builder window contains the following SQL code:

```
insert into non_employee values(221,660);
insert into non_employee values(121,760);
insert into non_employee values(421,720);

describe non_employee;
select * from non_employee;
```

Below the code, the name "SUJAN CHAVA" is visible. The Script Output window shows the following output:

```
1 row inserted.

1 row inserted.

1 row inserted.
```

Below the output, the table structure is displayed:

Name	Null?	Type
PERSON_ID	NOT NULL	NUMBER
CREDIT_SCORE		NUMBER

Displaying the content of table.

The screenshot shows a SQL IDE interface. The top pane, titled 'Query Builder', contains the following SQL script:

```
insert into non_employee values(221,660);
insert into non_employee values(121,760);
insert into non_employee values(421,720);

describe non_employee;
select * from non_employee;
```

The bottom pane, titled 'Query Result', displays the results of the query. It shows a table with three columns: 'PERSON\_ID', 'CREDIT\_SCORE', and an unnamed column. The data is as follows:

	PERSON_ID	CREDIT_SCORE	
1	221	660	
2	121	760	
3	421	720	

Below the table, the text 'SUJAN CHAVA' is visible.