

Assignment 1 – Screen Shots

CREATE Employees Script:

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'dbudrys' database with folders for Assemblies, Properties, Schemas, and Triggers. The right pane shows the SQL script for creating the 'EMPLOYEES' table. The script includes columns for Employee_ID, Birth_Date, First_Name, Last_Name, Home_Street, Home_City, Home_State, Home_Zip, Gender, and Hire_Date, along with a primary key constraint and two check constraints. The bottom pane shows the execution results, indicating the query was successful and the table was created.

```
1 CREATE TABLE EMPLOYEES (  
2  
3 Employee_ID INTEGER NOT NULL,  
4 Birth_Date DATE NOT NULL,  
5 First_Name VARCHAR(20) NOT NULL,  
6 Last_Name VARCHAR(30) NOT NULL,  
7 Home_Street VARCHAR(30) NULL,  
8 Home_City VARCHAR(20) NULL,  
9 Home_State VARCHAR(2) NULL,  
10 Home_Zip VARCHAR(5) NULL,  
11 Gender VARCHAR(1) NOT NULL,  
12 Hire_Date DATE NOT NULL,  
13  
14 CONSTRAINT EmployeesPK PRIMARY KEY (Employee_ID),  
15  
16 CONSTRAINT EmployeeeCH CHECK (Employee_ID BETWEEN 0 AND 9999999),  
17 CONSTRAINT GenderCH CHECK (Gender IN ('M', 'F'))  
18 );
```

Query time: 195 millisecond(s)
Query has been executed
CREATE TABLE EMPLOYEES (

Employee_ID INTEGER NOT NULL,
Birth_Date DATE NOT NULL,
First_Name VARCHAR(20) NOT NULL,
Last_Name VARCHAR(30) NOT NULL,
Home_Street VARCHAR(30) NULL,
Home_City VARCHAR(20) NULL,
Home_State VARCHAR(2) NULL,
Home_Zip VARCHAR(5) NULL,
Gender VARCHAR(1) NOT NULL,
Hire_Date DATE NOT NULL,

CONSTRAINT EmployeesPK PRIMARY KEY (Employee_ID),

CONSTRAINT EmployeeeCH CHECK (Employee_ID BETWEEN 0 AND 9999999),
CONSTRAINT GenderCH CHECK (Gender IN ('M', 'F'))
);

Row: 18 Col: 3

CREATE Employees Output:

The screenshot shows the SQL Server Enterprise Manager interface with the 'dbudrys' database. The right pane shows the SQL script for selecting all data from the 'EMPLOYEES' table. The bottom pane shows the execution results, indicating the query was successful and the table was empty.

```
1 SELECT * FROM EMPLOYEES
```

Employee_ID	Birth_Date	First_Name	Last_Name	Home_Street	Home_City	Home_State	Home_Zip	Gender	Hire_Date
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Number of records: 0 Number of fields: 10 Query time: 46 millisecond(s)

SELECT * from EMPLOYEES

Query time: 39 millisecond(s), Number of cursor's records: 0
Query time: 46 millisecond(s), Number of cursor's records: 0

CREATE Departments Script:

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'dbudrys' database schema with folders for Assemblies (1), Properties (0), Schemas (2), and Triggers (0). The right pane contains the following SQL script:

```
1 CREATE TABLE DEPARTMENTS (  
2   Dept_No VARCHAR(4) NOT NULL,  
3   Dept_Name VARCHAR(40) NOT NULL,  
4  
5   CONSTRAINT DepartmentsPK PRIMARY KEY (Dept_No)  
6 );
```

The bottom status bar indicates the query was executed successfully at 20:21:13 with a query time of 42 milliseconds. The output pane shows the message: "Query has been executed".

CREATE Departments Output:

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'dbudrys' database schema. The right pane contains the following SQL script:

```
1 SELECT * FROM DEPARTMENTS
```

The bottom status bar indicates the query was executed successfully at 20:16:11 with a query time of 39 milliseconds and 0 records returned. The output pane shows the message: "Query time: 39 millisecond(s), Number of cursor's records: 0".

Dept_No	Dept_Name
---------	-----------

The bottom status bar indicates the query was executed successfully at 20:16:23 with a query time of 46 milliseconds and 0 records returned. The output pane shows the message: "Query time: 46 millisecond(s), Number of cursor's records: 0".

Dept_No	Dept_Name
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The bottom status bar indicates the query was executed successfully at 20:22:57 with a query time of 38 milliseconds and 0 records returned. The output pane shows the message: "Query time: 38 millisecond(s), Number of cursor's records: 0".

CREATE DEPT_EMPL Script :

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'dbudrys' database with folders for Assemblies(1), Properties(0), Schemas(2), and Triggers(0). The central pane contains the following SQL script:

```
1 CREATE TABLE DEPT_EMPL(  
2 Employee_ID INTEGER NOT NULL,  
3 Dept_No VARCHAR(4) NOT NULL,  
4 From_Date DATE NOT NULL,  
5 To_Date DATE NULL,  
6  
7 CONSTRAINT DEPT_EMPL_PK PRIMARY KEY (Employee_ID, Dept_No),  
8  
9 CONSTRAINT DEPT_EMPL_FK1 FOREIGN KEY (Employee_ID)  
10 REFERENCES EMPLOYEES (Employee_ID)  
11 ON UPDATE NO ACTION  
12 ON DELETE CASCADE,  
13  
14 CONSTRAINT DEPT_EMPL_FK2 FOREIGN KEY (Dept_No)  
15 REFERENCES DEPARTMENTS (Dept_No)  
16 ON UPDATE NO ACTION  
17 ON DELETE CASCADE,  
18  
19 CONSTRAINT Employee_ID_CH CHECK (Employee_ID BETWEEN 0 AND 9999999),  
20  
21 );  
22
```

The bottom pane shows the execution log with the following entries:

- 20:21:13 Query time: 42 millisecond(s)
- 20:21:13 Query has been executed
- 20:39:31 Query time: 44 millisecond(s)
- 20:39:31 Query has been executed

CREATE DEPT_EMPL Output:

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'dbudrys' database with folders for Assemblies(1), Properties(0), Schemas(2), and Triggers(0). The central pane contains the following SQL query:

```
1 SELECT * FROM DEPT_EMPL
```

The bottom pane shows the query results. The table has 4 columns: Employee_ID, Dept_No, From_Date, and To_Date. The number of records is 0. The query time is 39 millisecond(s).

Number of records: 0 Number of fields: 4 Query time: 39 millisecond(s)

Execution log entries:

- 20:16:11 Query time: 39 millisecond(s), Number of cursor's records: 0
- 20:16:23 Query time: 46 millisecond(s), Number of cursor's records: 0
- 20:22:57 Query time: 38 millisecond(s), Number of cursor's records: 0
- 20:41:25 Query time: 39 millisecond(s), Number of cursor's records: 0

CREATE EMP_MANAGER Script:

The screenshot shows the SQL Developer interface with the 'Schema Editor' tab active. The 'dbudrys' schema is selected in the left pane. The main editor displays a SQL script to create a table named DEPT_MANAGER. The script includes columns for Dept_No, Employee_ID, From_Date, and To_Date, along with primary and foreign key constraints and a check constraint. The 'Execute' button is visible at the top. Below the editor, the 'Output' tab shows the execution results, including the query time and the executed SQL script.

```
1 CREATE TABLE DEPT_MANAGER(  
2   Dept_No VARCHAR(4) NOT NULL,  
3   Employee_ID INTEGER NOT NULL,  
4   From_Date DATE NOT NULL,  
5   To_Date DATE NULL,  
6  
7   CONSTRAINT DEPT_MANAGER_PK PRIMARY KEY (Dept_No, Employee_ID),  
8  
9   CONSTRAINT DEPT_MANAGER_FK1 FOREIGN KEY (Dept_No)  
10      REFERENCES DEPARTMENTS(Dept_No)  
11      ON UPDATE NO ACTION  
12      ON DELETE CASCADE,  
13  
14   CONSTRAINT DEPT_MANAGER_FK2 FOREIGN KEY (Employee_ID)  
15      REFERENCES EMPLOYEES (Employee_ID)  
16      ON UPDATE NO ACTION  
17      ON DELETE CASCADE,  
18  
19   CONSTRAINT Employee_ID_CH1 CHECK (Employee_ID BETWEEN 0 AND 9999999999),  
20  
21 );  
22  
23
```

Query time: 47 millisecond(s)
Query has been executed

```
CREATE TABLE DEPT_MANAGER(  
  Dept_No VARCHAR(4) NOT NULL,  
  Employee_ID INTEGER NOT NULL,  
  From_Date DATE NOT NULL,  
  To_Date DATE NULL,  
  CONSTRAINT DEPT_MANAGER_PK PRIMARY KEY (Dept_No, Employee_ID),  
  CONSTRAINT DEPT_MANAGER_FK1 FOREIGN KEY (Dept_No)  
    REFERENCES DEPARTMENTS(Dept_No)  
    ON UPDATE NO ACTION  
    ON DELETE CASCADE,  
  CONSTRAINT DEPT_MANAGER_FK2 FOREIGN KEY (Employee_ID)  
    REFERENCES EMPLOYEES (Employee_ID)  
    ON UPDATE NO ACTION  
    ON DELETE CASCADE,  
  CONSTRAINT Employee_ID_CH1 CHECK (Employee_ID BETWEEN 0 AND 9999999999),  
  );
```

CREATE EMP_MANAGER Output:

The screenshot shows the SQL Developer interface with the 'Schema Editor' tab active. The 'dbudrys' schema is selected in the left pane. The main editor displays a SQL query: `SELECT * FROM DEPT_MANAGER`. The 'Execute' button is visible at the top. Below the editor, the 'Output' tab shows the query results. The results are displayed in a table with columns: Dept_No, Employee_ID, From_Date, and To_Date. The table is currently empty. The 'Output' tab also shows the number of records (0) and the number of fields (4). The 'Query time' is 42 millisecond(s).

```
1 SELECT * FROM DEPT_MANAGER
```

Dept_No	Employee_ID	From_Date	To_Date
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Number of records: 0 Number of fields: 4 Query time: 42 millisecond(s)

```
SELECT * from DEPT_MANAGER
```

Query time: 39 millisecond(s), Number of cursor's records: 0
Query time: 46 millisecond(s), Number of cursor's records: 0

CREATE SALARIES Script:

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'dbudrys' database schema with folders for Assemblies(1), Properties(0), Schemas(2), and Triggers(0). The central pane contains the following SQL script:

```
1 CREATE TABLE SALARIES(  
2  
3  
4 Employee_ID INTEGER NOT NULL,  
5 Salary INTEGER NOT NULL,  
6 From_Date DATE NOT NULL,  
7 To_Date DATE NULL,  
8  
9 CONSTRAINT SALARIES_PK PRIMARY KEY (Employee_ID, From_Date),  
10  
11  
12 CONSTRAINT SALARIES_FK FOREIGN KEY (Employee_ID)  
13 REFERENCES EMPLOYEES (Employee_ID)  
14 ON UPDATE NO ACTION  
15 ON DELETE CASCADE,  
16  
17 CONSTRAINT Employee_ID_CH2 CHECK (Employee_ID BETWEEN 0 AND 9999999999),  
18  
19 );  
20
```

The bottom pane shows the execution results:

```
REFERENCES EMPLOYEES (Employee_ID)  
ON UPDATE NO ACTION  
ON DELETE CASCADE,  
  
CONSTRAINT Employee_ID_CH1 CHECK (Employee_ID BETWEEN 0 AND 9999999999),  
  
>;  
21:00:05 Query time: 46 millisecond(s)  
21:00:05 Query has been executed
```

CREATE SALARIES Output:

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'dbudrys' database schema. The central pane contains the following SQL query:

```
1 SELECT * FROM SALARIES
```

The bottom pane shows the query results in a table with the following columns: Employee_ID, Salary, From_Date, To_Date. The table is empty.

The bottom status bar shows: Number of records: 0 Number of fields: 4 Query time: 49 millisecond(s)

The bottom pane shows the execution results:

```
20:16:11 Query time: 39 millisecond(s), Number of cursor's records: 0  
20:16:23 Query time: 46 millisecond(s), Number of cursor's records: 0  
20:22:57 Query time: 38 millisecond(s), Number of cursor's records: 0
```

CREATE TITLES Script:

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'dbudrys' database with its schema structure. The right pane shows the execution of a SQL script. The script creates a table named 'TITLES' with the following structure:

```
CREATE TABLE TITLES(  
  Employee_ID INTEGER NOT NULL,  
  Title VARCHAR(50) NOT NULL,  
  From_Date DATE NOT NULL,  
  To_Date DATE NULL,  
  CONSTRAINT TITLES_PK PRIMARY KEY (Employee_ID, Title, From_Date),  
  CONSTRAINT TITLES_FK FOREIGN KEY (Employee_ID)  
    REFERENCES EMPLOYEES (Employee_ID)  
    ON UPDATE NO ACTION  
    ON DELETE CASCADE,  
  CONSTRAINT Employee_ID_CH3 CHECK (Employee_ID BETWEEN 0 AND 9999999999),  
);
```

The bottom pane shows the execution logs:

- 21:00:05 Query time: 46 millisecond(s)
- 21:00:05 Query has been executed
- 21:06:21 Query time: 46 millisecond(s)
- 21:06:21 Query has been executed

CREATE TITLES Output:

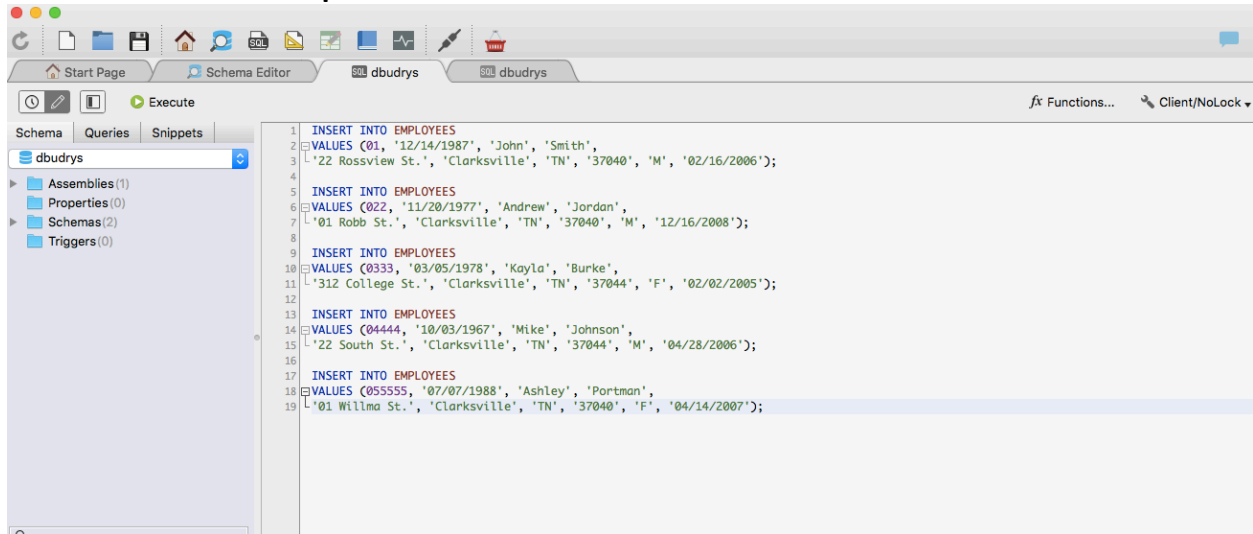
The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'dbudrys' database. The right pane shows the execution of a SQL query: 'SELECT * FROM TITLES'. The output is displayed in a table with the following columns: Employee_ID, Title, From_Date, and To_Date.

Employee_ID	Title	From_Date	To_Date
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The bottom pane shows the execution logs:

- 20:16:11 Query time: 39 millisecond(s), Number of cursor's records: 0
- 20:16:23 Query time: 46 millisecond(s), Number of cursor's records: 0
- 20:22:57 Query time: 38 millisecond(s), Number of cursor's records: 0
- 20:41:25 Query time: 39 millisecond(s), Number of cursor's records: 0
- 20:56:51 Query time: 42 millisecond(s), Number of cursor's records: 0
- 21:02:04 Query time: 49 millisecond(s), Number of cursor's records: 0
- 21:07:47 Query time: 42 millisecond(s), Number of cursor's records: 0

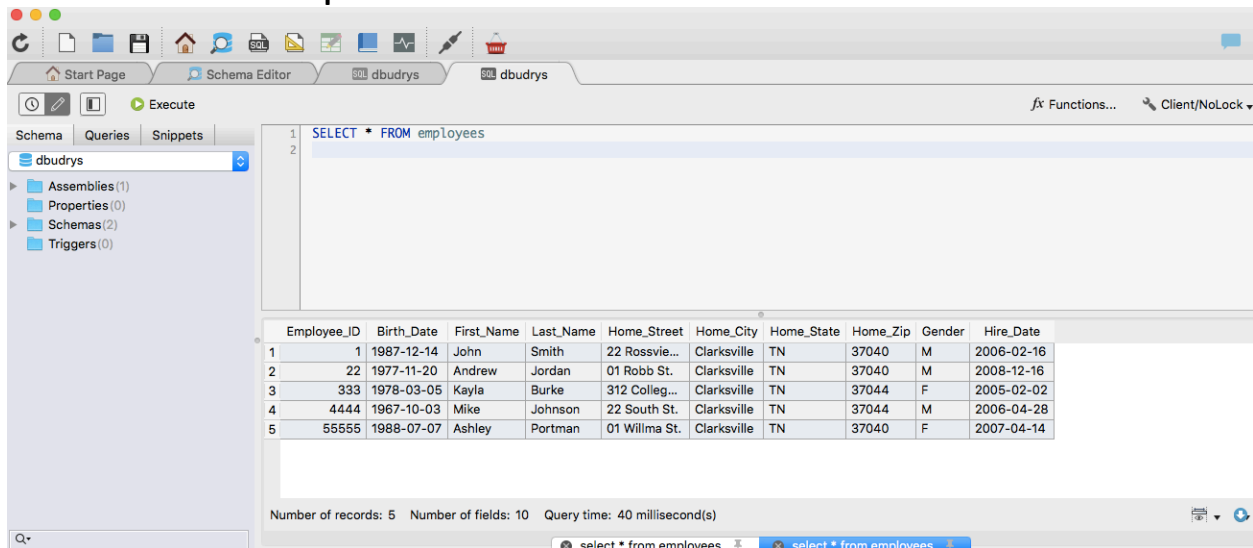
INSERT EMPLOYEES Script:



The screenshot shows the dbudrys SQL editor interface. The left sidebar displays a schema tree for 'dbudrys' with folders for Assemblies(1), Properties(0), Schemas(2), and Triggers(0). The main editor area contains a script with five INSERT statements into the 'EMPLOYEES' table. The script is as follows:

```
1 INSERT INTO EMPLOYEES
2 VALUES (01, '12/14/1987', 'John', 'Smith',
3 '22 Rossvie St.', 'Clarksville', 'TN', '37040', 'M', '02/16/2006');
4
5 INSERT INTO EMPLOYEES
6 VALUES (022, '11/20/1977', 'Andrew', 'Jordan',
7 '01 Robb St.', 'Clarksville', 'TN', '37040', 'M', '12/16/2008');
8
9 INSERT INTO EMPLOYEES
10 VALUES (0333, '03/05/1978', 'Kayla', 'Burke',
11 '312 College St.', 'Clarksville', 'TN', '37044', 'F', '02/02/2005');
12
13 INSERT INTO EMPLOYEES
14 VALUES (04444, '10/03/1967', 'Mike', 'Johnson',
15 '22 South St.', 'Clarksville', 'TN', '37044', 'M', '04/28/2006');
16
17 INSERT INTO EMPLOYEES
18 VALUES (055555, '07/07/1988', 'Ashley', 'Portman',
19 '01 Willma St.', 'Clarksville', 'TN', '37040', 'F', '04/14/2007');
```

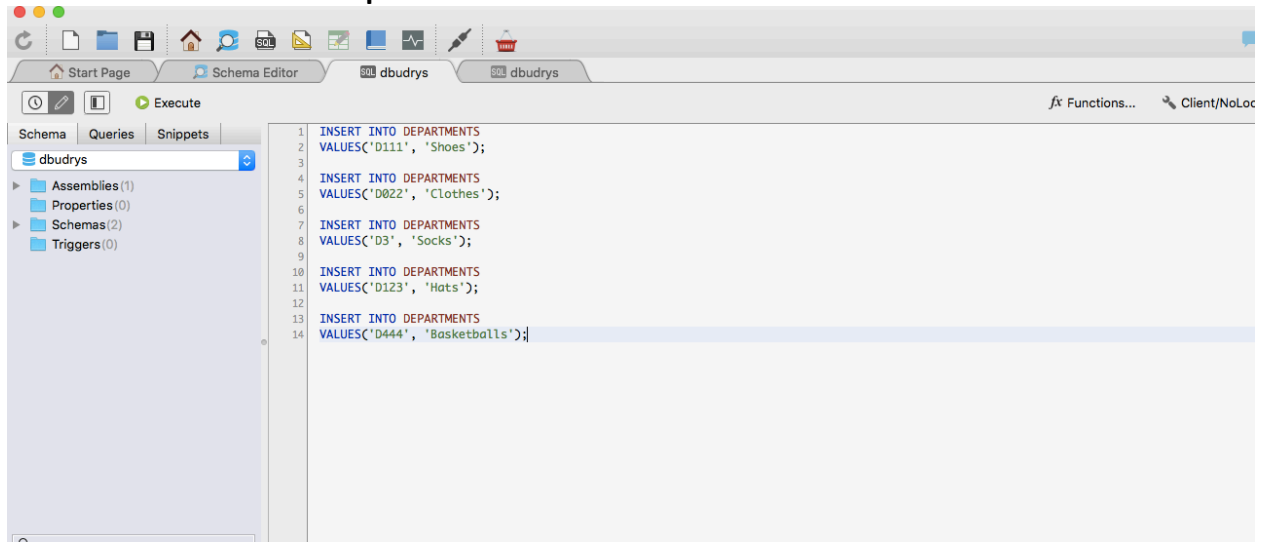
INSERT EMPLOYEES Output:



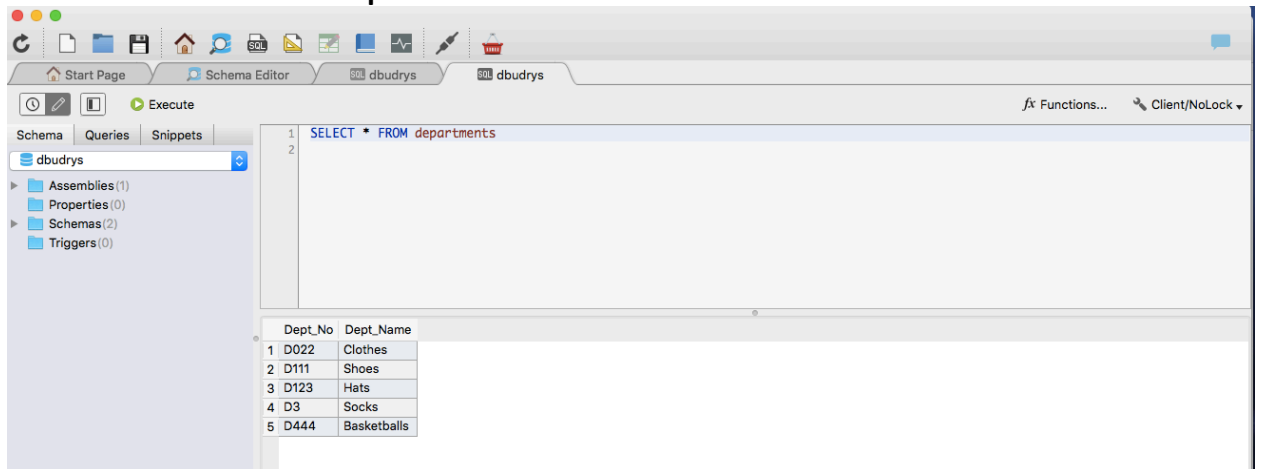
The screenshot shows the dbudrys SQL editor interface with the same schema tree on the left. The main editor area displays the output of the script, which is a table with 10 columns: Employee_ID, Birth_Date, First_Name, Last_Name, Home_Street, Home_City, Home_State, Home_Zip, Gender, and Hire_Date. The output table contains 5 rows of data. Below the table, the status bar indicates: Number of records: 5, Number of fields: 10, Query time: 40 millisecond(s). The bottom of the editor shows the query text: select * from employees.

	Employee_ID	Birth_Date	First_Name	Last_Name	Home_Street	Home_City	Home_State	Home_Zip	Gender	Hire_Date
1	1	1987-12-14	John	Smith	22 Rossvie...	Clarksville	TN	37040	M	2006-02-16
2	22	1977-11-20	Andrew	Jordan	01 Robb St.	Clarksville	TN	37040	M	2008-12-16
3	333	1978-03-05	Kayla	Burke	312 Colleg...	Clarksville	TN	37044	F	2005-02-02
4	4444	1967-10-03	Mike	Johnson	22 South St.	Clarksville	TN	37044	M	2006-04-28
5	55555	1988-07-07	Ashley	Portman	01 Willma St.	Clarksville	TN	37040	F	2007-04-14

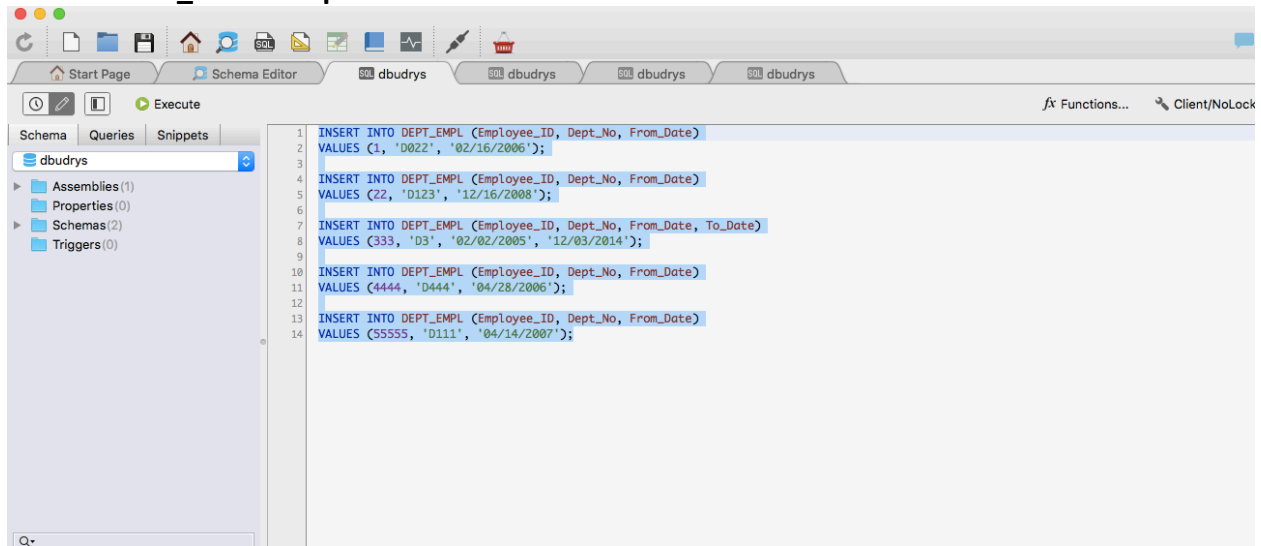
INSERT DEPARTMENTS Script:



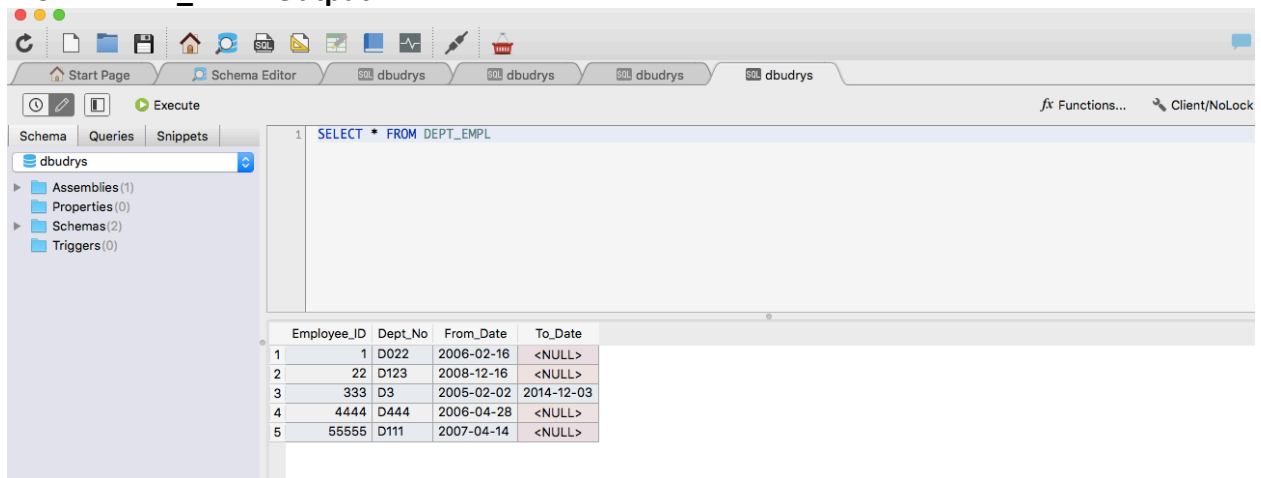
INSERT DEPARTMENTS Output:



INSERT DEPT_EMPL Script:



INSERT DEPT_EMPL Output:



INSERT DEPT_MANGER Script:

The screenshot shows the SQL Developer interface with the 'Schema Editor' tab active. The left pane displays the 'dbudrys' schema with folders for Assemblies (1), Properties (0), Schemas (2), and Triggers (0). The main editor contains the following SQL script:

```
1 INSERT INTO DEPT_MANAGER (Dept_No, Employee_ID, From_Date)
2 VALUES ('D111', 22, '10/10/2010');
3
4 INSERT INTO DEPT_MANAGER (Dept_No, Employee_ID, From_Date)
5 VALUES ('D022', 4444, '04/17/2009');
6
7 INSERT INTO DEPT_MANAGER (Dept_No, Employee_ID, From_Date)
8 VALUES ('D123', 1, '02/20/2011');
9
10 INSERT INTO DEPT_MANAGER (Dept_No, Employee_ID, From_Date)
11 VALUES ('D3', 55555, '05/07/2012');
12
13 INSERT INTO DEPT_MANAGER (Dept_No, Employee_ID, From_Date, To_Date)
14 VALUES ('D444', 333, '12/26/2008', '10/10/2012');
15
```

INSERT DEPT_MANGER Output:

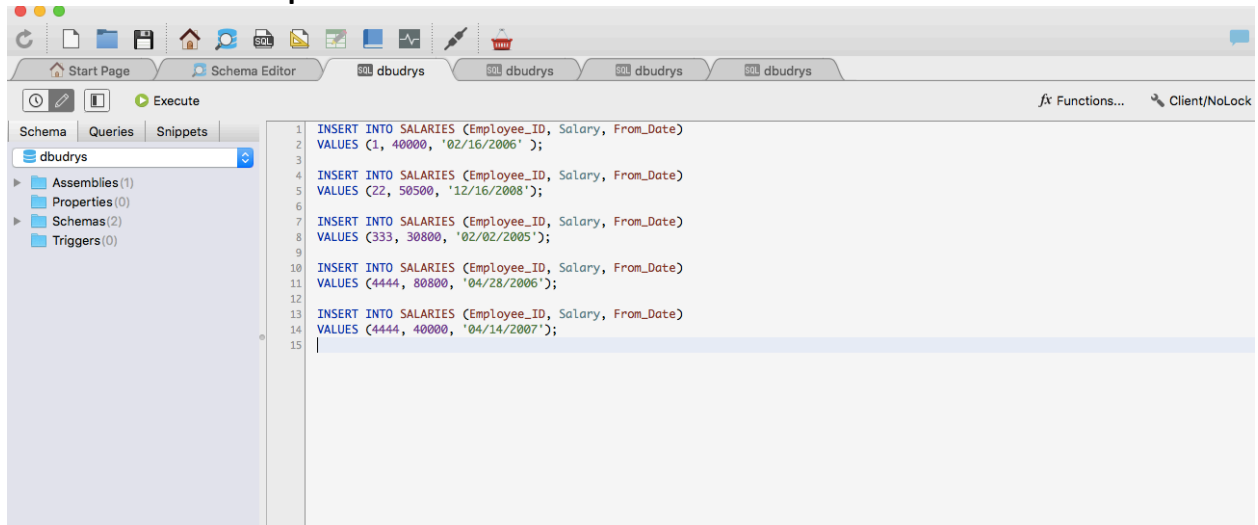
The screenshot shows the SQL Developer interface with the 'Schema Editor' tab active. The left pane displays the 'dbudrys' schema with folders for Assemblies (1), Properties (0), Schemas (2), and Triggers (0). The main editor contains the following SQL script:

```
1 SELECT * FROM DEPT_Manager
```

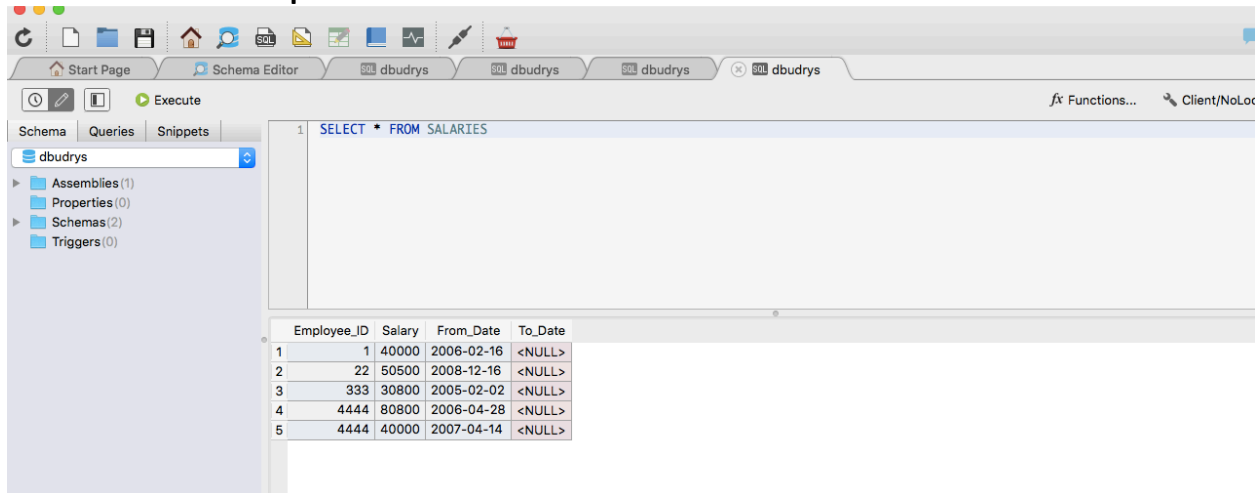
The output of the query is displayed in a table below the script:

	Dept_No	Employee_ID	From_Date	To_Date
1	D022	4444	2003-04-17	<NULL>
2	D111	22	2001-10-10	<NULL>
3	D123	1	2001-02-20	<NULL>
4	D3	55555	2003-05-07	<NULL>
5	D444	333	2001-12-26	2004-10-10

INSERT SALARIES Script:



INSERT SALARIES Output:



INSERT TITLES Script:

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'dbudrys' database schema with folders for Assemblies(1), Properties(0), Schemas(2), and Triggers(0). The right pane shows a script with the following SQL statements:

```
1 INSERT INTO TITLES (Employee_ID, Title, From_Date)
2 VALUES (1, 'Junior Manager', '02/20/2011');
3
4 INSERT INTO TITLES (Employee_ID, Title, From_Date)
5 VALUES (22, 'Senior Advisor', '10/10/2010');
6
7 INSERT INTO TITLES (Employee_ID, Title, From_Date, To_Date)
8 VALUES (333, 'IT', '10/10/2012', '10/10/2012');
9
10
11 INSERT INTO TITLES (Employee_ID, Title, From_Date)
12 VALUES (4444, 'Senior Manager', '04/17/2009');
13
14 INSERT INTO TITLES (Employee_ID, Title, From_Date)
15 VALUES (55555, 'Security Manager', '05/07/2012');
```

INSERT TITLES Output:

The screenshot shows the SQL Server Enterprise Manager interface with a query executed. The query text is `SELECT * FROM TITLES`. The results are displayed in a table with the following data:

Employee_ID	Title	From_Date	To_Date
1	Junior ...	2011-02-20	<NULL>
22	Senior ...	2010-10-10	<NULL>
333	IT	2012-10-10	2012-10-10
4444	Senior ...	2009-04-17	<NULL>
55555	Securit...	2012-05-07	<NULL>

Number of records: 5 Number of fields: 4 Query time: 48 millisecond(s)