

Lab 2

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November 3, 2020

SDEV-350 7380

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Below are screenshots of successfully running the SQL script with the AWS educate environment.

The screenshot displays the SQL Developer interface with the following components:

- Connections:** A tree view on the left showing the 'SDEV350' connection. Under 'Tables (Filtered)', the following tables are listed: CLASSENROLLMENTS, ENID, CID, FID, EID, CLASSES, SUBJECT, CATALOGNBR, TITLE, ENGINEERS, LASTNAME, FIRSTNAME, EMAIL, GRADDATE, FACULTY, HIREDATE, JOINVIEW, and LASTNAME. The 'Indexes' folder is expanded, showing 'All Reports', 'Analytic View Reports', 'Data Dictionary Reports', 'Data Modeler Reports', 'OLAP Reports', 'TimesTen Reports', and 'User Defined Reports'.
- Worksheet:** The main area displays a SQL script with the following content:

```
/* clear all
drop table ClassEnrollments;
drop table Engineers;
drop table Faculty;
drop table Classes;
drop view JoinView;
*/

/*Create Engineers table */
create table Engineers(
  EID int PRIMARY KEY,
  LastName VARCHAR(50),
  FirstName VARCHAR(50),
  Email VARCHAR(50),
  Graddate VARCHAR(15)
);

/*Create faculty table */
create table Faculty(
  FID int PRIMARY KEY,
  LastName VARCHAR(50),
  FirstName VARCHAR(50),
  Email VARCHAR(50),
  Hiredate VARCHAR(15)
);

/*Create classes table */
create table Classes(
  CID int PRIMARY KEY,
  Subject VARCHAR(10),
  Catalognbr VARCHAR(10),
  Title VARCHAR(50)
);

/*create ClassEnrollments table */
create table ClassEnrollments(
  EnID int PRIMARY KEY,
  CID int,
  FID int,
  EID int,
  CONSTRAINT FK_CID FOREIGN KEY (CID)
    REFERENCES Classes(CID),
  CONSTRAINT FK_FID FOREIGN KEY (FID)
```
- Script Output:** The bottom panel shows the execution results, indicating 'Task completed in 1.991 seconds'.

The screenshot displays the Oracle SQL Developer interface. On the left, the 'Connections' pane shows a connection to 'SDEV350'. The 'Tables (Filtered)' list includes: CLASSENROLLMENTS (with columns ENID, CID, FID, EID), CLASSES (with columns CID, SUBJECT, CATALOGNBR, TITLE), ENGINEERS (with columns EID, LASTNAME, FIRSTNAME, EMAIL, GRADDATE), and FACULTY (with columns FID, LASTNAME, FIRSTNAME, EMAIL, HIREDATE). Below tables, there is a 'Views' section with 'JOINVIEW' (columns LASTNAME, FIRSTNAME), and sections for 'Indexes', 'Packages', 'Procedures', 'Functions', 'Operators', 'Queues', 'Queues Tables', and 'Triggers'.

The main window shows a 'Query Builder' with the following SQL script:

```
/* clear all
drop table ClassEnrollments;
```

The 'Script Output' pane shows the execution results:

```
Table ENGINEERS created.

Table FACULTY created.

Table CLASSES created.

Table CLASSENROLLMENTS created.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.

1 row inserted.
```

The 'reports' pane at the bottom shows a list of report categories: All Reports, Analytic View Reports, Data Dictionary Reports, Data Modeler Reports, OLAP Reports, TimesTen Reports, and User Defined Reports.

The screenshot displays the Oracle SQL Developer environment. On the left, the 'Connections' pane shows the 'SDEV350' connection. The 'Tables (Filtered)' pane lists various tables including CLASSENROLLMENTS, CLASSES, ENGINEERS, FACULTY, and Views. The 'Reports' pane at the bottom lists 'All Reports', 'Analytic View Reports', 'Data Dictionary Reports', 'Data Modeler Reports', 'OLAP Reports', 'TimesTen Reports', and 'User Defined Reports'.

The main workspace shows a 'Worksheet' with a 'Query Builder' tab. The SQL script in the 'Script Output' pane is as follows:

```
/* clear all
drop table classenrollments;

-- Query Result: X
Task completed in 1.991 seconds
```

The query result shows 1 row inserted. Below this, there are two tables of data:

CID	SUBJECT	CATALOGNR	TITLE
3	BST-SPT	ST-0003	Best Special Teams
2	BST-DEF	BD-0002	Best Defense
1	BST-OFF	BO-0001	Best Offense

FID	LASTNAME	FIRSTNAME	EMAIL	HIREDATE
3	Peyton	Sean	speyton@nfl.com	09/30/2020
2	Harbaugh	John	jharbaugh@nfl.com	12/05/2020
1	Arians	Bruce	barians@nfl.com	09/15/2020

ENID	CID	FID	EID
15	2	2	15
14	2	1	14
13	1	1	13
12	3	1	12
11	3	3	11
10	2	3	10
9	3	1	9
8	1	2	8
7	2	1	7
6	3	1	6
5	3	2	5

ENID	CID	FID	EID
4	3	3	4
3	2	3	3
2	3	3	2
1	1	1	1

15 rows selected.
1 row updated.