ASSIGNMENT 6
Insert/Delete/Truncate/Drop

In this lab you will use SQL statements that fall in both the DDL and DML category. In this lab you will be storing new information in the database. You will be using the tables from your previous assignment as such: (Make sure that your tables contain the following columns along with the appropriate constraints

Student

SSN primary key
lname
fname
dob
salary check>10000
(lname and fname are a composite candidate key)

Class

Class code primary key
Class description (Create an index on this column using the create index command)

Student_class

SSN Foreign key
Class Code Foreign key
(SSN and class code are a composite primary key)

You must execute the statements in the order in which the questions are being asked.

Suggestions:

1) Do not create a spool file. This lab will probably take several days. Since you cannot guarantee that the work that you did on my home computer or the lab computers on campus will be there the next time you open up the SQLPlus session, I would make the following suggestion: Store all your SQL statements in a text file. Then you can just copy and paste your SQL statements into the SQLPlus session and get back to where you left off.

2) I would also suggest that you drop all your tables in the beginning of the text file just in case the tables are still there so that you don't get any error messages

All the tables that you create should be prefixed with the first five letters of your lastname such as **sabze_patient**

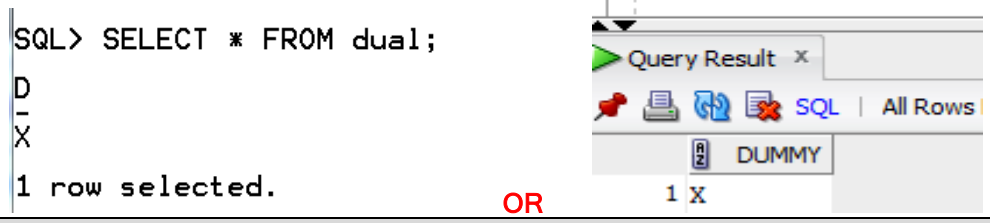
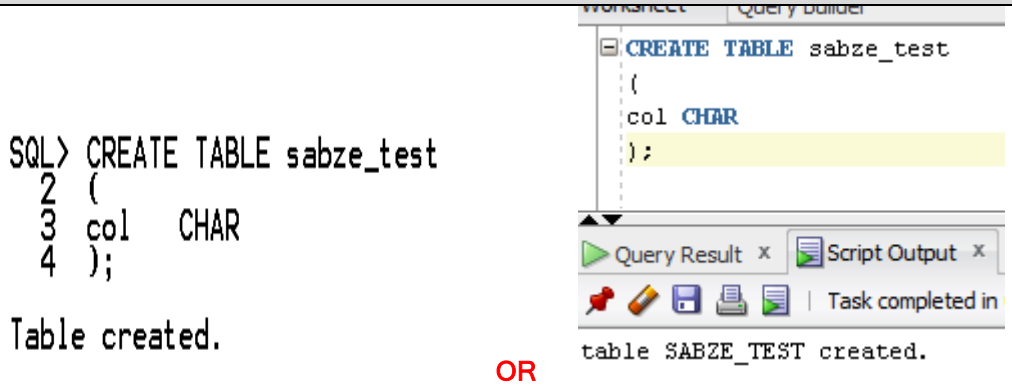
What to turn in:

1) You will turn in this word document only. I do not want any other files
2) Paste a printscreen of either the **SQLPlus session** or **SQL Developer** showing only the SQL command and the results from the database engine. Some of the SQL statements that you issue may cause an error and may actually be the expected result. Do not assume that just because you are not getting an error message, everything is okay.
3) When typing in your SQL statements, make sure that the keywords are all in uppercase. The identifiers that you come up with such as table names, column names or constraint names should all be in lower case.
4) Make sure that you prefix your table names with the first five letters of your last name.
5) Make sure that you only provide a printscreen of the snippet that pertains to the question (NOTHING MORE).

Suggestion: you can use the snipping tool in windows 7 or you can download this open source program http://getgreenshot.org/ for printscreens. Provide only the printscreen

that pertains to the question. **I do not want to see your trial and errors or things that pertain to other questions.**

SQLPlus or SQLDeveloper (Your choice)

Example	Display the contents of the dual table
	 OR
Next Example	Create a table called test
	 OR

All the tables that you create must be prefixed with the first five letters of your last name such as sabze_student.

The order in which you insert data into your tables is different from the order in which the questions have been asked. **Questions 1a, 1b and 1c should not give you any error messages**

1A	**Insert** three rows of valid data into the **student_class** table

```
68
69  INSERT INTO student_class values('111223333',0);
70  INSERT INTO student_class values('111223333',1);
71  INSERT INTO student_class values('222334444',0);
72
73
74
75
76
77
78
79
80
```

Script Output x

Task completed in 0.07 seconds

```
1 rows inserted.
1 rows inserted.
1 rows inserted.
```

1B	**Insert** two rows of valid data into the **class** table according to the following. Make sure that you provide a value for every column.

```
63  INSERT INTO class values (0,'English');
64  INSERT INTO class values (1,'Math');
65
66
67
68
69
70
71
72
73
```

Script Output x

Task completed in 0.214 seconds

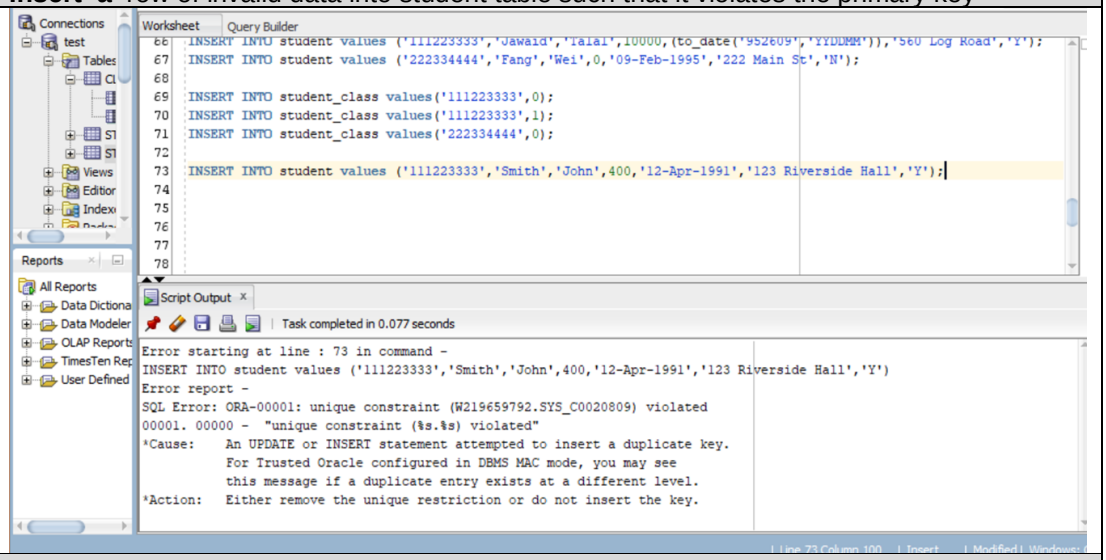
```
1 rows inserted.
1 rows inserted.
```

1C	**Insert** two rows of valid data into the **student** table according to the following. Provide a value for every column. For the 1st row:

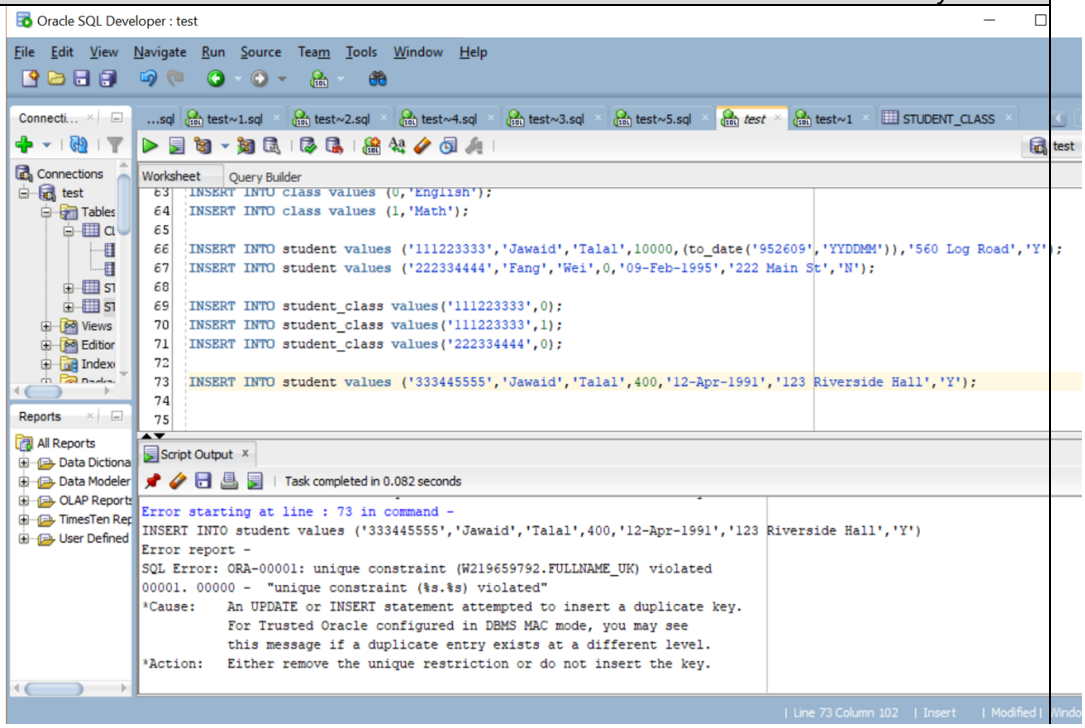
	Use the to_date function to insert into the DOB column in the format (yyddmm) For the 2nd row Use the default date format (Do not use to_date function) (use default)

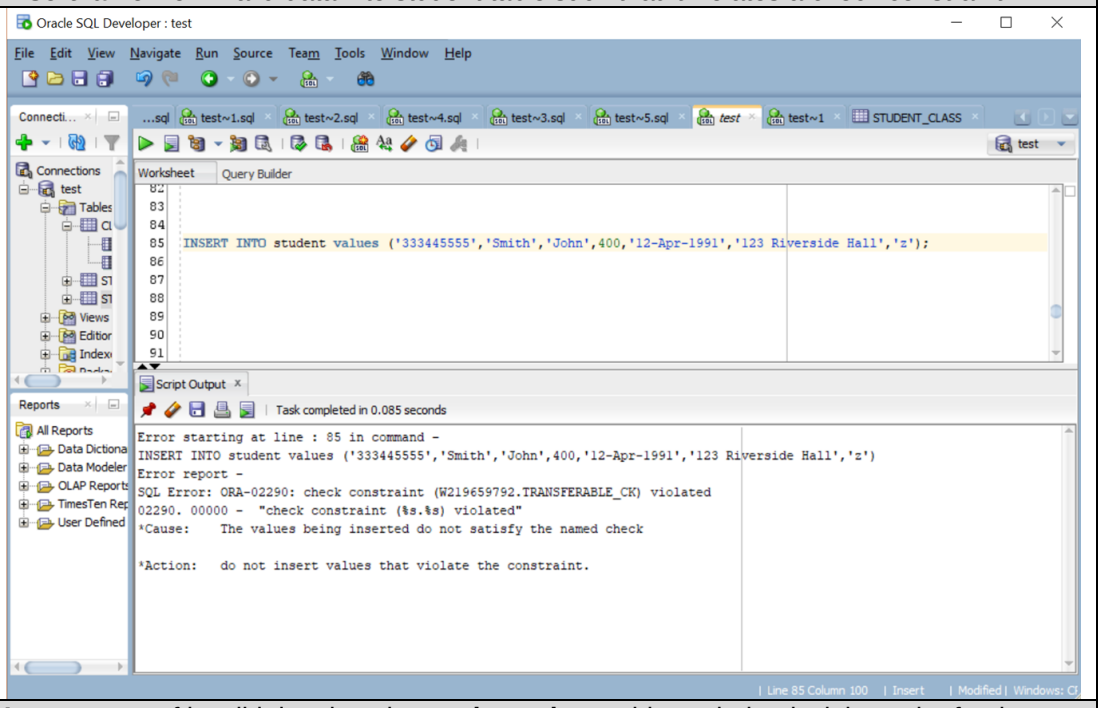
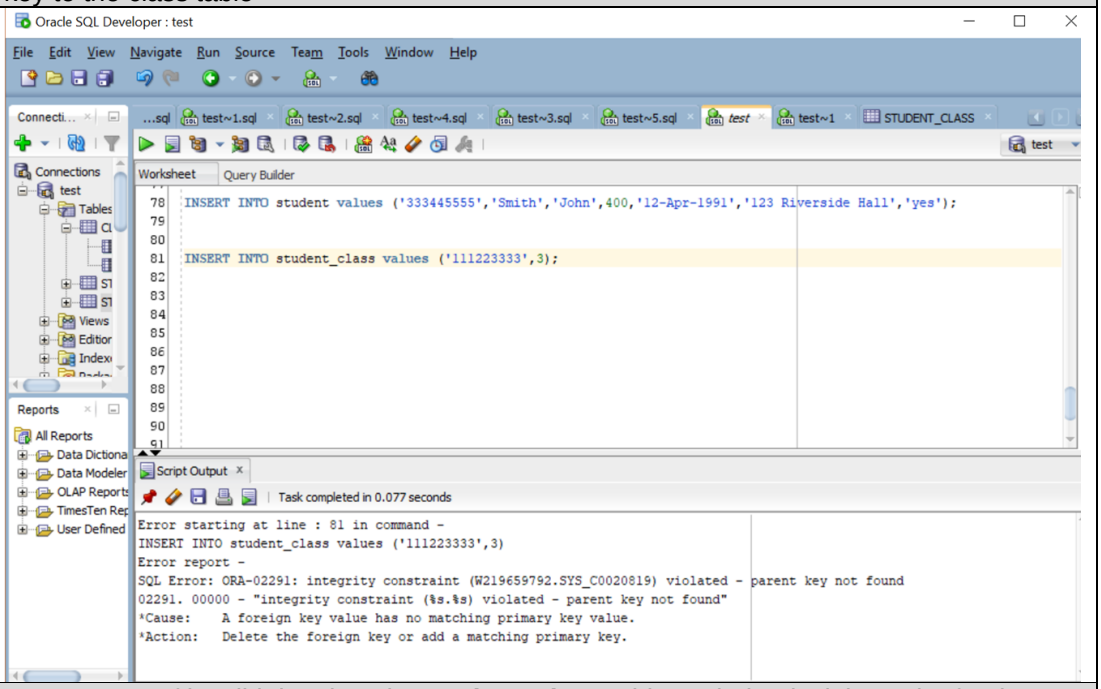
Do the questions in the order in which they appear. You may get error messages which of course is valid

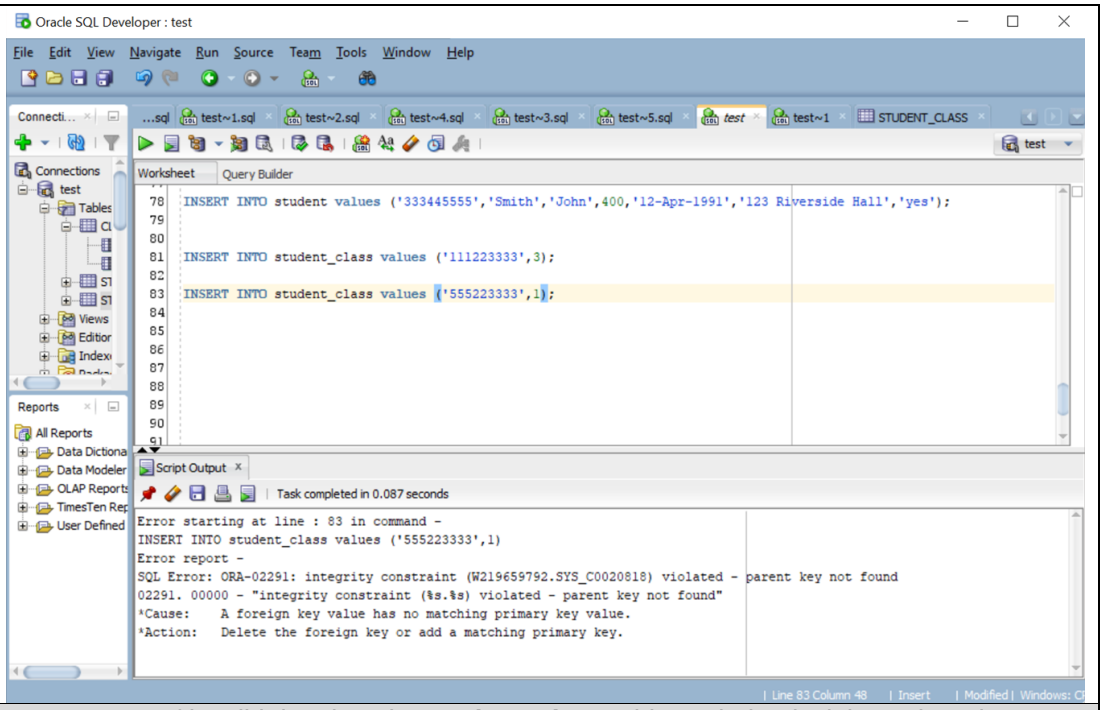
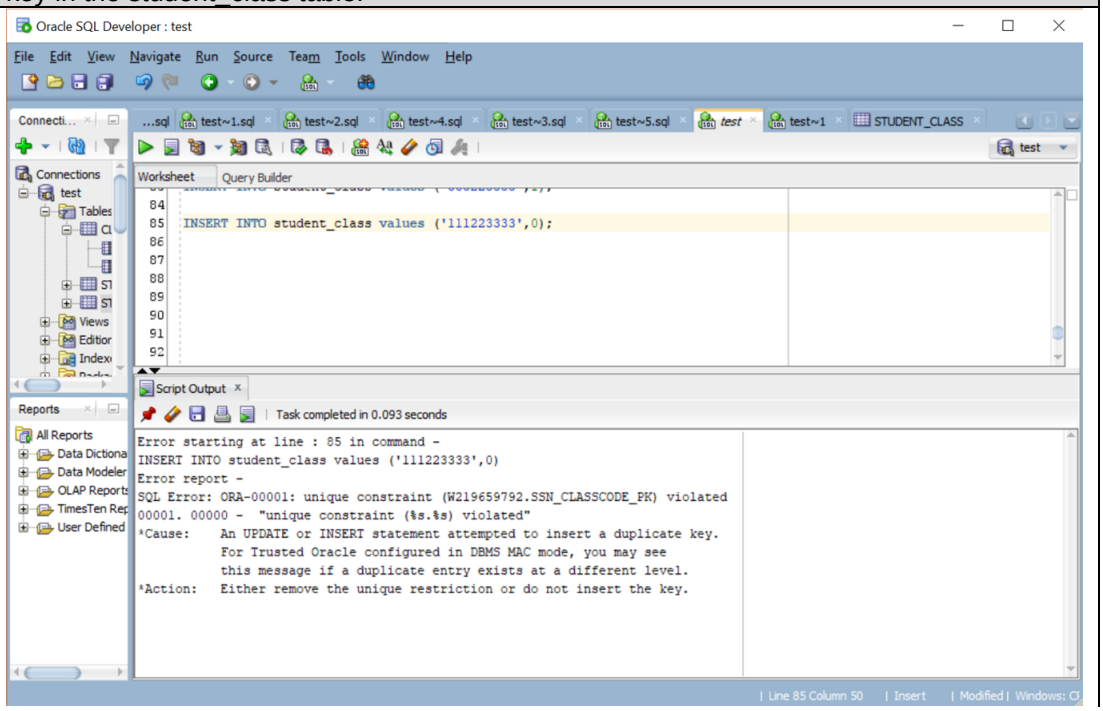
2A	**Insert a** row of invalid data into student table such that it violates the primary key



2B	**Insert a** row of invalid data into student table such that it violates the candidate key

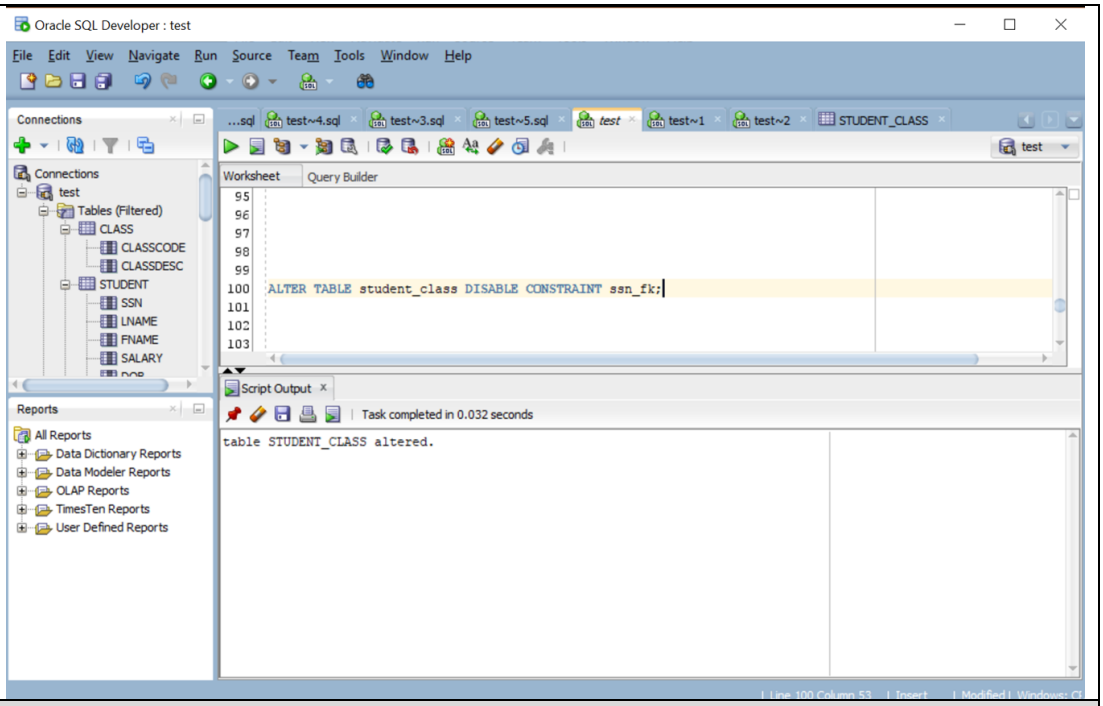
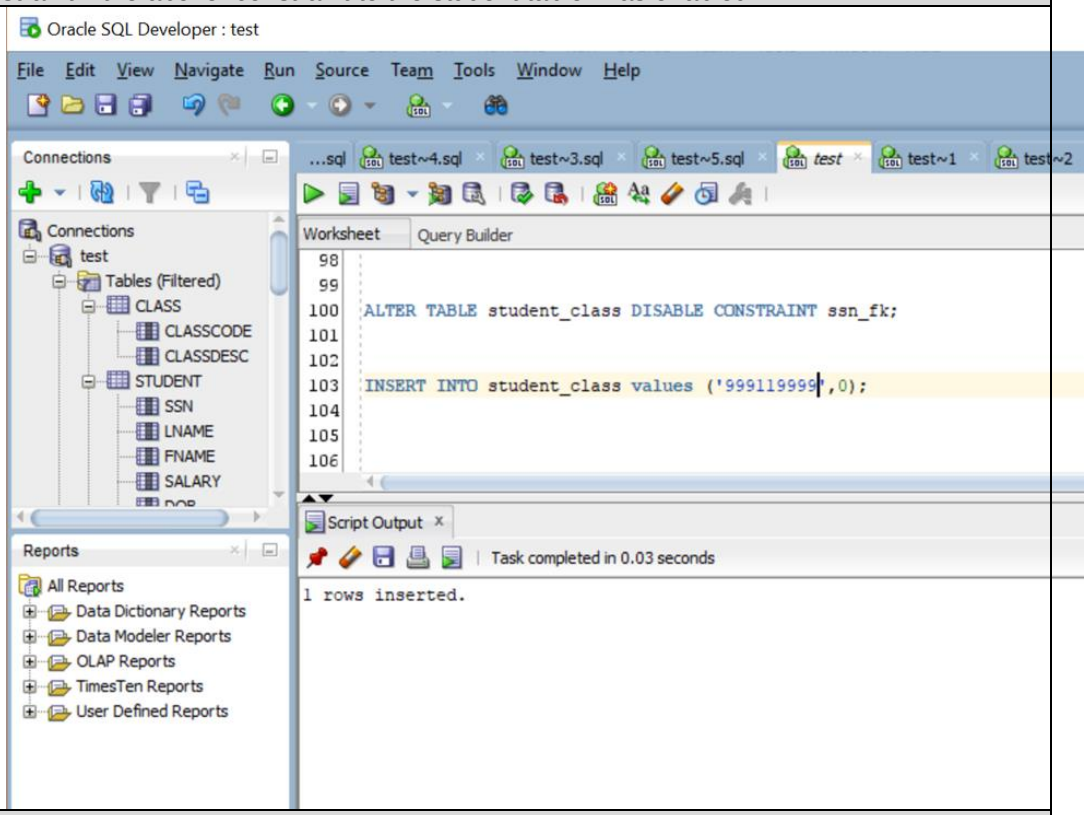


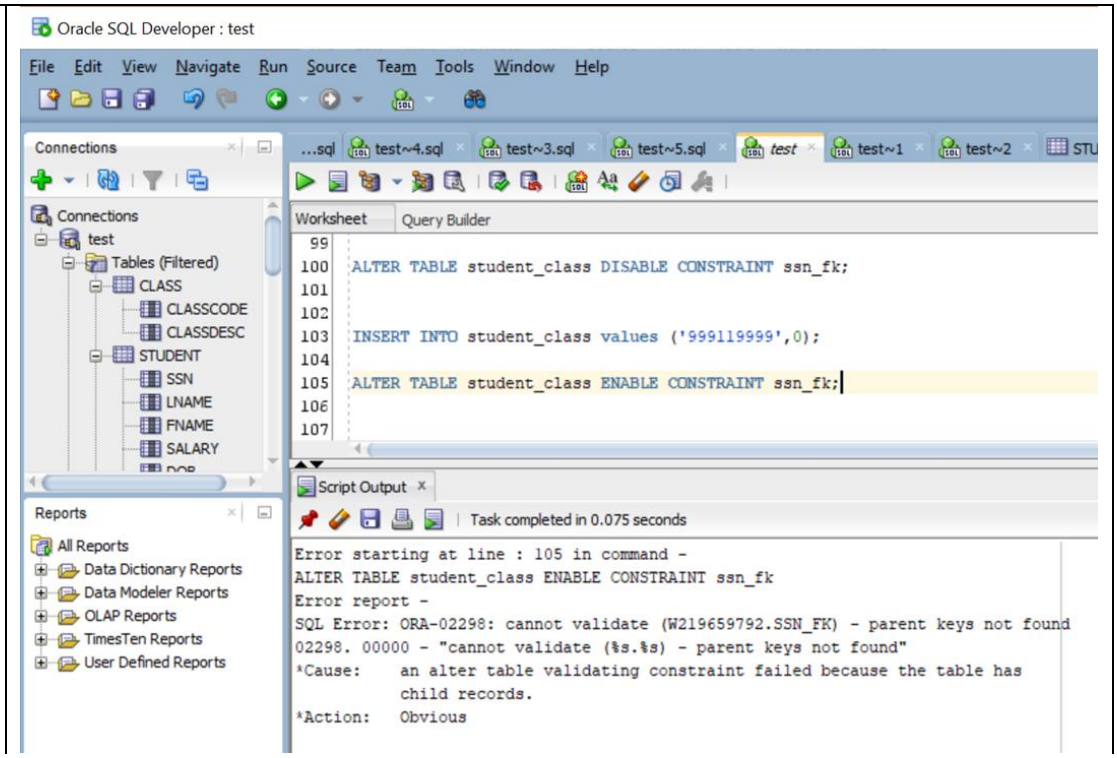
2C	**Insert a** row of invalid data into student table such that it violates a check constraint
	
2D	**Insert a** row of invalid data into the **student_class** table such that it violates the foreign key to the class table
	
2E	**Insert a** row of invalid data into the **student_class** table such that it violates the foreign key to the student table

	
2F	**Insert a** row of invalid data into the **student_class** table such that it violates the primary key in the student_class table.
	

Do the questions in the order in which they appear.You may get error messages which of course is valid

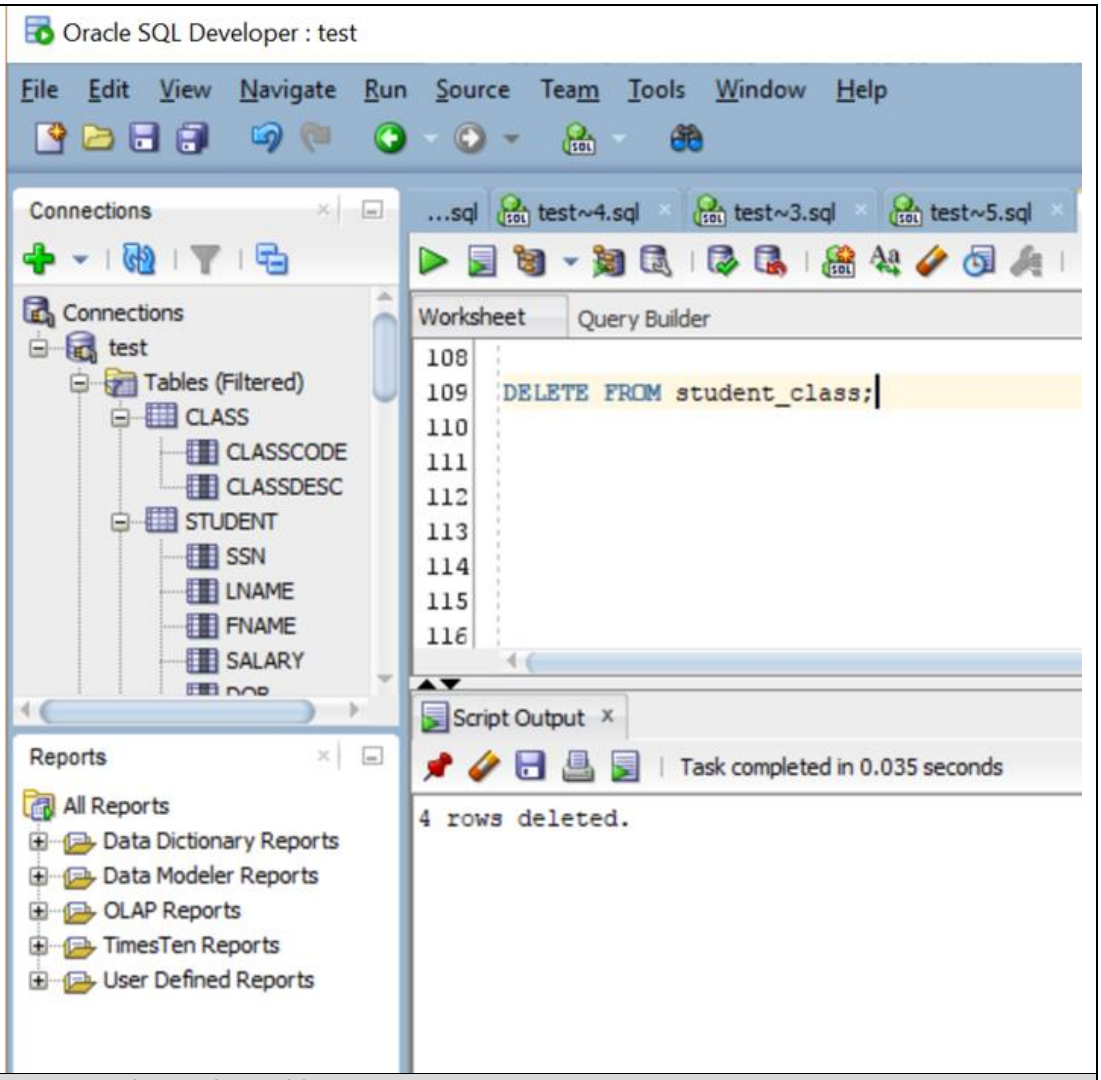
3A	**Disable** the foreign key constraint to the **student** table

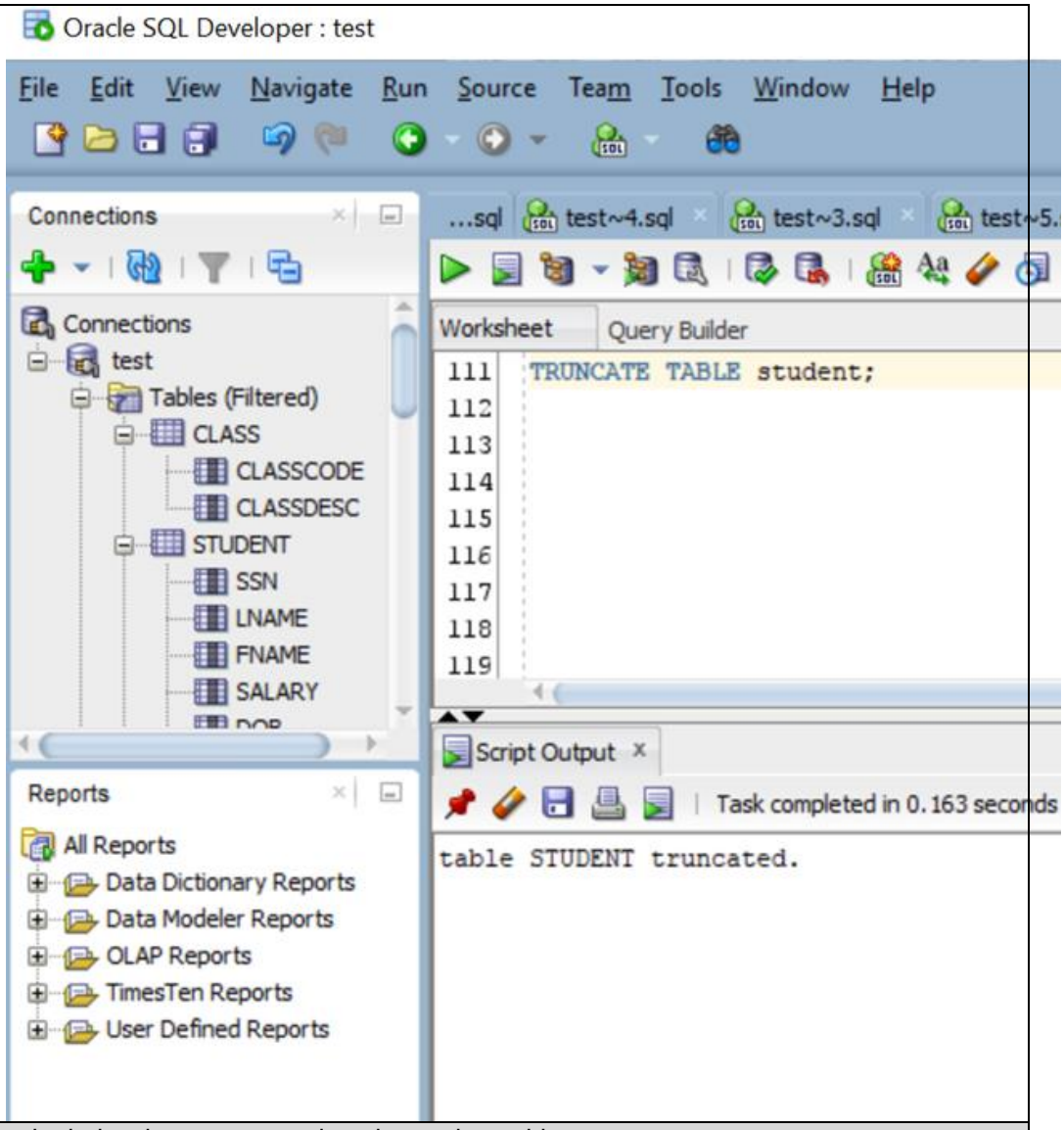
	
3B	**Insert** a rows of data into the **student_class** table such that it would violate the foreign key constraint if the above constraint to the student table was enabled
	
3C	**Enable** the foreign key constraint

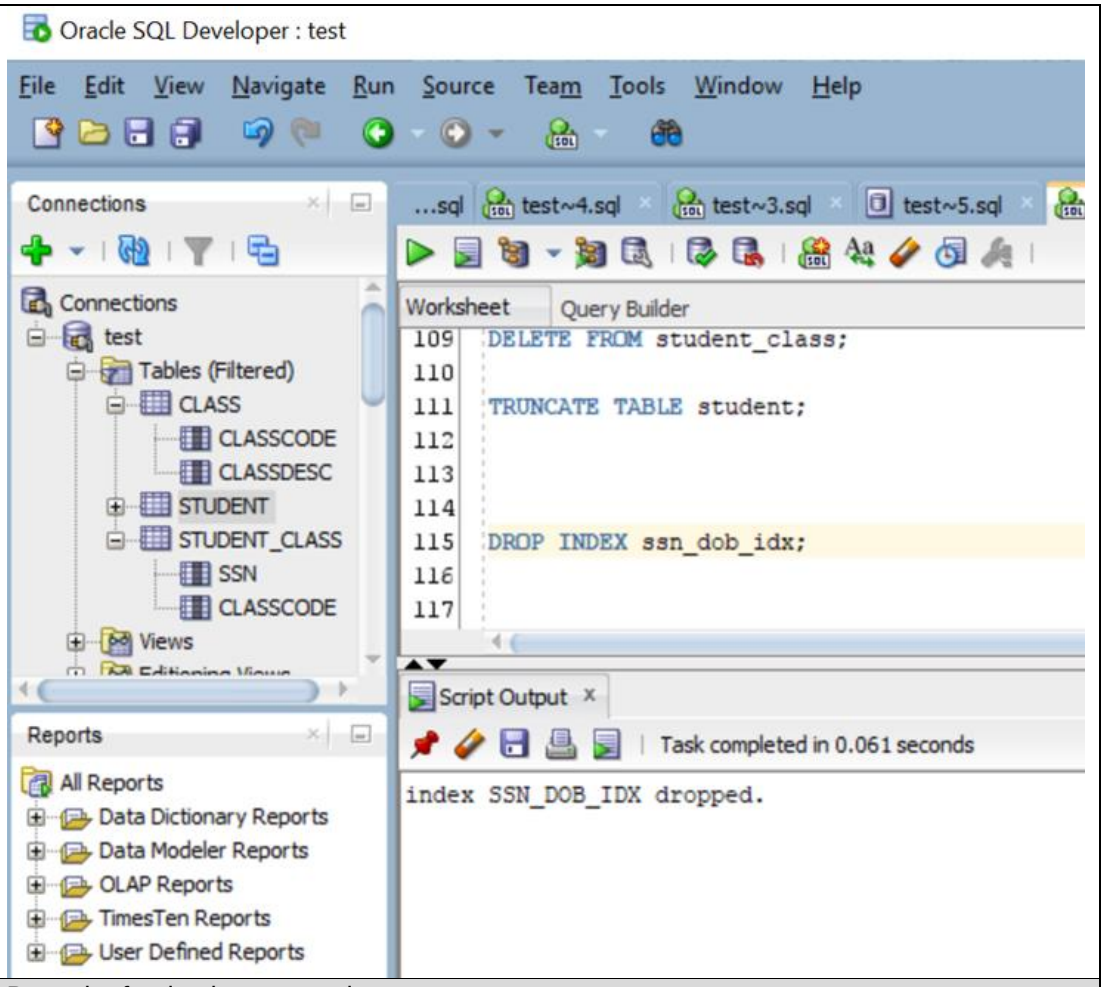
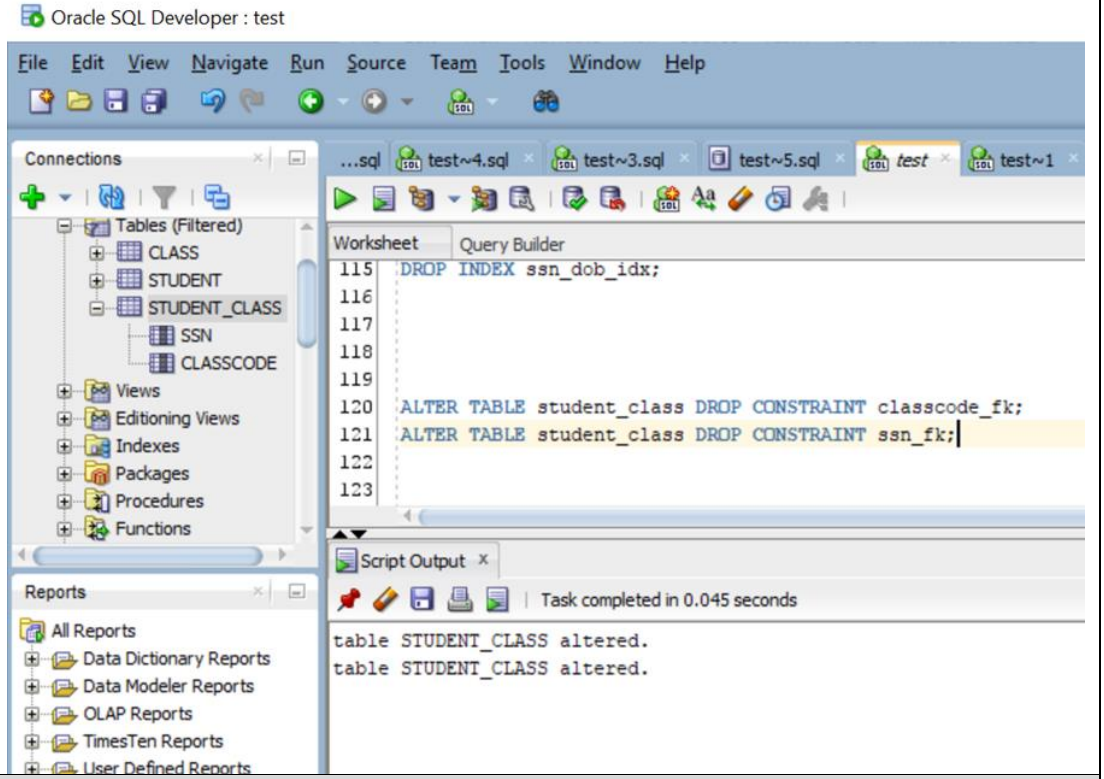


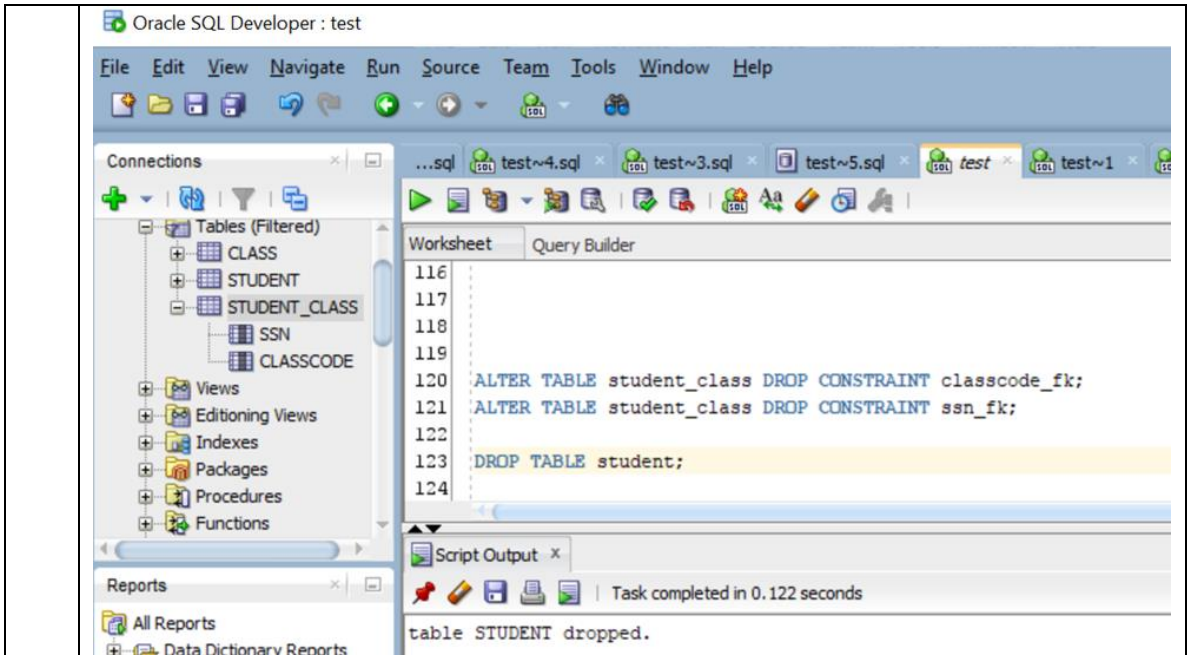
Do the questions in the order in which they appear. You may get error messages which of course is valid

4A	**Delete** the data from the student_class table

	
4B	**Truncate** the student table

	
4C	**drop** the index that you created on the student table

	
4D	**Drop** the foreign key constraints
	
4E	**Drop** the student table.


Oracle SQL Developer : test
File Edit View Navigate Run Source Team Tools Window Help
Connections
Tables (Filtered)
CLASS
STUDENT
STUDENT_CLASS
SSN
CLASSCODE
Views
Editioning Views
Indexes
Packages
Procedures
Functions
Reports
All Reports
...sql
test~4.sql
test~3.sql
test~5.sql
test
test~1
Worksheet
Query Builder
116
117
118
119
120 ALTER TABLE student_class DROP CONSTRAINT classcode_fk;
121 ALTER TABLE student_class DROP CONSTRAINT ssn_fk;
122
123 DROP TABLE student;
124
Script Output
Task completed in 0.122 seconds
table STUDENT dropped.