

```
SQL> create table x123123
2  (
3  a   number,
4  b   number
5  ,
6  primary key (a)
7  );
```

Table created.

A terminal window titled '17233ca@npu8:~' with a black background and white text. It shows the execution of the SQL command to create table 'x123123' with columns 'a' and 'b' as numbers, and a primary key on 'a'. The output 'Table created.' is displayed. The prompt 'SQL>' is followed by a green cursor.

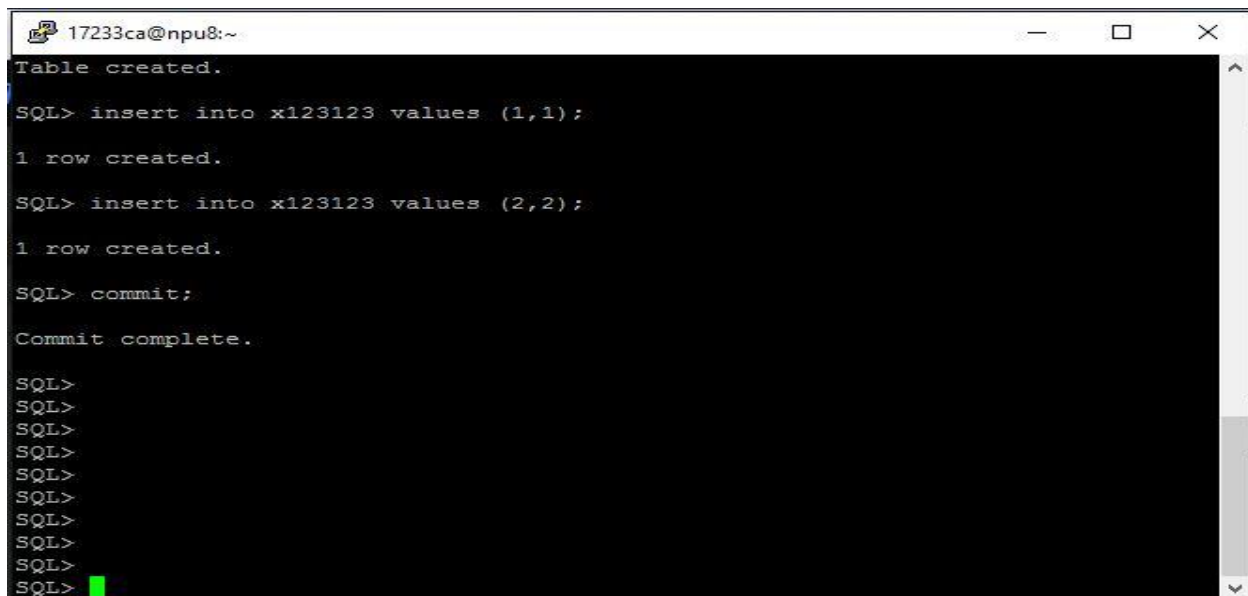
```
17233ca@npu8:~
SQL> create table x123123
2  (
3  a   number,
4  b   number
5  ,
6  primary key (a)
7  );

Table created.

SQL> █
```

```
SQL> insert into x123123 values (1,1);
SQL> insert into x123123 values (2,2);

SQL> commit;
```

A terminal window titled '17233ca@npu8:~' with a black background and white text. It shows the execution of two 'insert' statements for table 'x123123', each followed by '1 row created.'. Then, a 'commit;' statement is executed, resulting in 'Commit complete.'. Several 'SQL>' prompts are shown at the bottom, with a green cursor at the last one.

```
17233ca@npu8:~
Table created.

SQL> insert into x123123 values (1,1);

1 row created.

SQL> insert into x123123 values (2,2);

1 row created.

SQL> commit;

Commit complete.

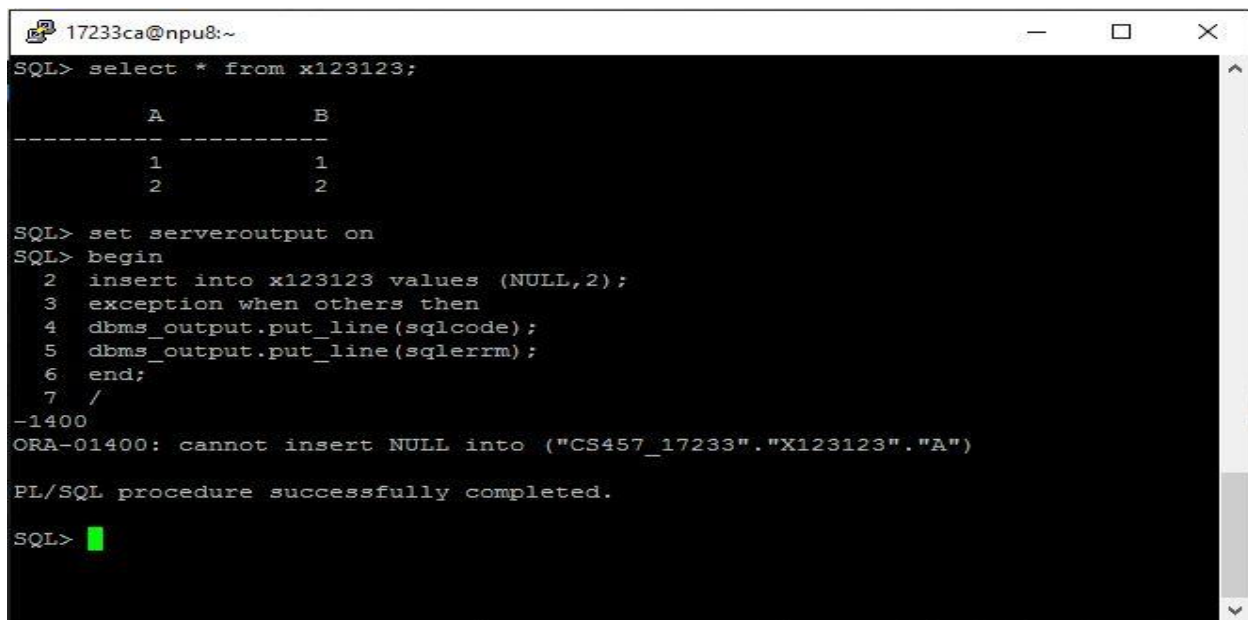
SQL>
SQL>
SQL>
SQL>
SQL>
SQL>
SQL>
SQL>
SQL> █
```

```
SQL> select * from x123123;
```

A	B
1	1
2	2

```
SQL> set serveroutput on
```

```
SQL> begin
  2  insert into x123123 values (NULL,2);
  3  exception when others then
  4  dbms_output.put_line(sqlcode);
  5  dbms_output.put_line(sqlerrm);
  6  end;
  7  /
```



```
17233ca@npu8:~
SQL> select * from x123123;

      A      B
-----
      1      1
      2      2

SQL> set serveroutput on
SQL> begin
  2  insert into x123123 values (NULL,2);
  3  exception when others then
  4  dbms_output.put_line(sqlcode);
  5  dbms_output.put_line(sqlerrm);
  6  end;
  7  /
-1400
ORA-01400: cannot insert NULL into ('CS457_17233'. 'X123123'. 'A')

PL/SQL procedure successfully completed.

SQL> █
```

1. Run the above SQL and PL/SQL, provide screenshot.

Ans. above are the solution.

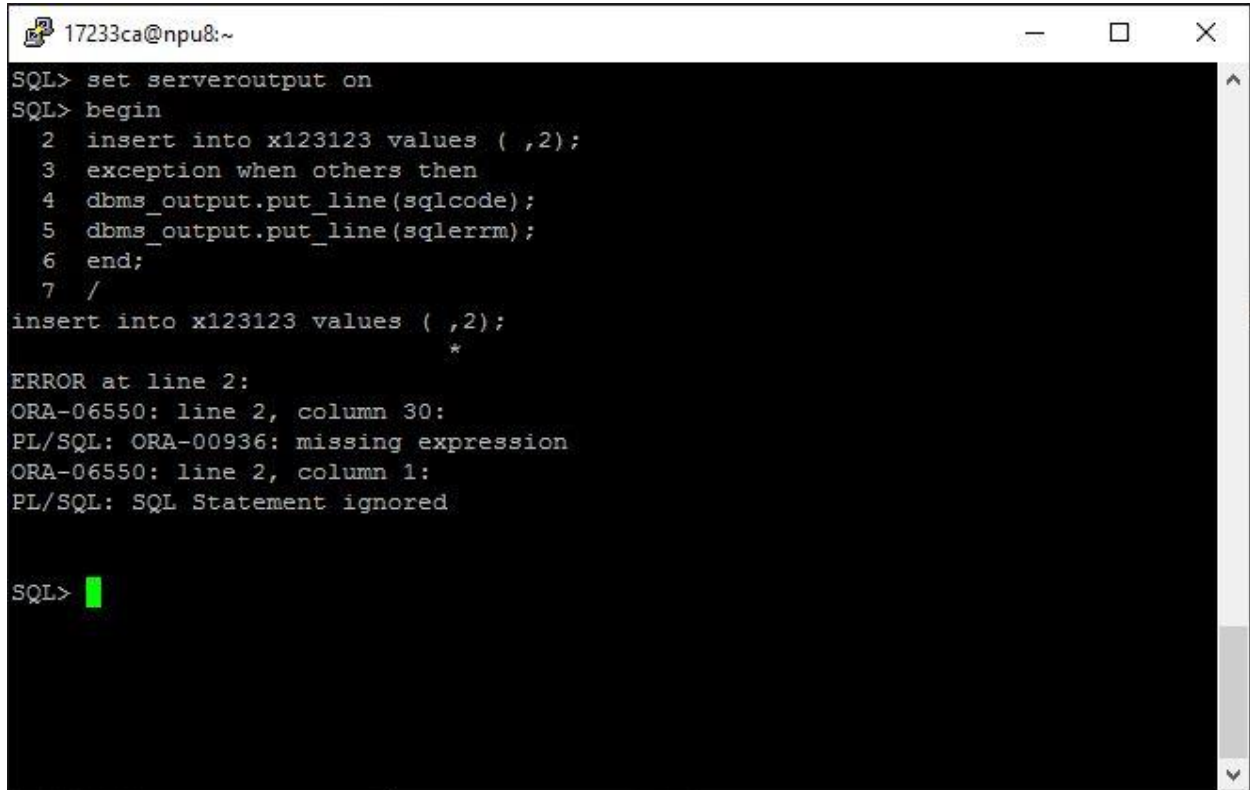
2. What is the sqlcode displayed?

Ans. ORA-01400.

What is the sqlerrm displayed?

Ans. cannot insert NULL into("CS457_17233"."X123123"."A")

3. Modify the insert statement in the PL/SQL, to create other error situation (your choice), then run PL/SQL to answer:

A screenshot of a SQL*Plus terminal window. The title bar shows the user '17233ca@npu8:~'. The prompt is 'SQL>'. The user has entered a PL/SQL block: 'set serveroutput on', 'begin', '2 insert into x123123 values (,2);', '3 exception when others then', '4 dbms_output.put_line(sqlcode);', '5 dbms_output.put_line(sqlerrm);', '6 end;', '7 /'. The output shows the first line of the insert statement, followed by an error: 'ERROR at line 2:', 'ORA-06550: line 2, column 30:', 'PL/SQL: ORA-00936: missing expression', 'ORA-06550: line 2, column 1:', 'PL/SQL: SQL Statement ignored'. The prompt 'SQL>' is followed by a green cursor.

```
SQL> set serveroutput on
SQL> begin
  2 insert into x123123 values ( ,2);
  3 exception when others then
  4 dbms_output.put_line(sqlcode);
  5 dbms_output.put_line(sqlerrm);
  6 end;
  7 /
insert into x123123 values ( ,2);
                                *
ERROR at line 2:
ORA-06550: line 2, column 30:
PL/SQL: ORA-00936: missing expression
ORA-06550: line 2, column 1:
PL/SQL: SQL Statement ignored

SQL> █
```

Que. What is the sqlcode displayed?

Ans. ORA-00936

Que. What is the sqlerrm displayed?

Ans. MISSING EXPRESSION