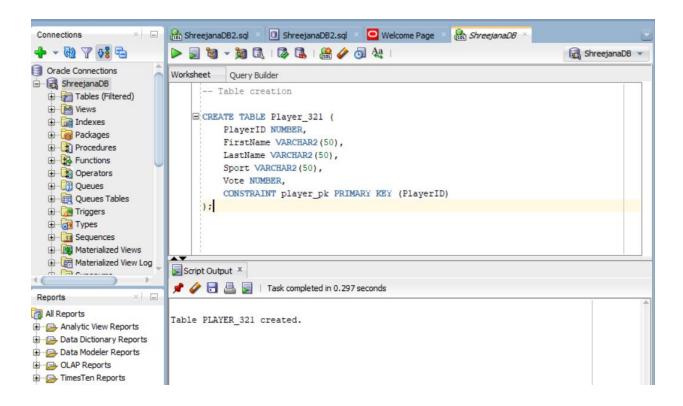
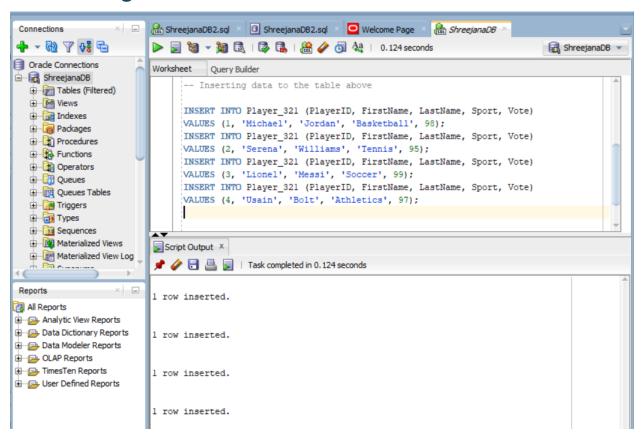
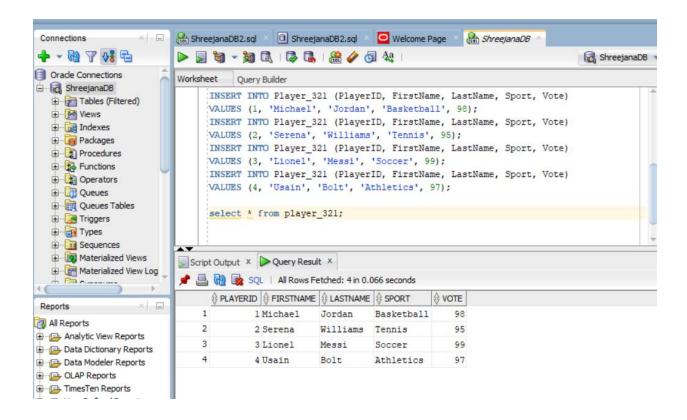
Table creation

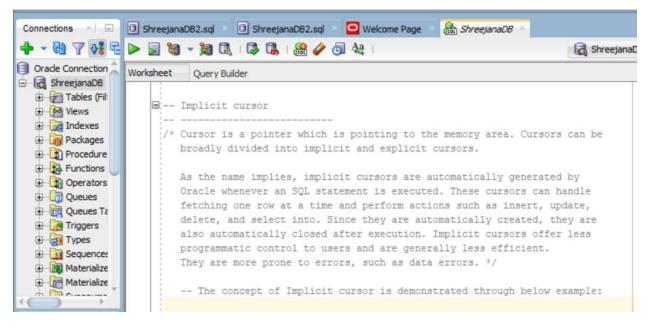


Inserting the data to the table



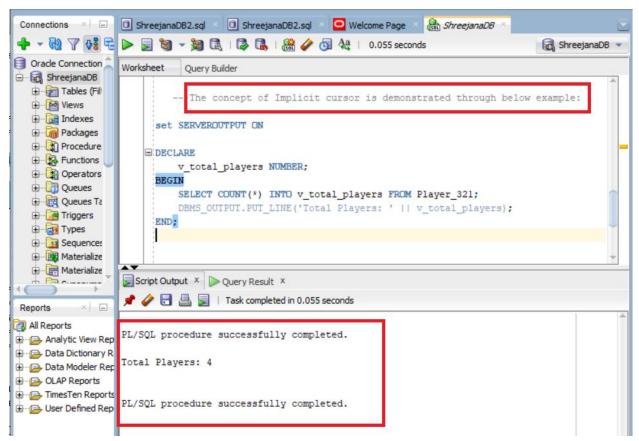


Question 1: Implicit cursor

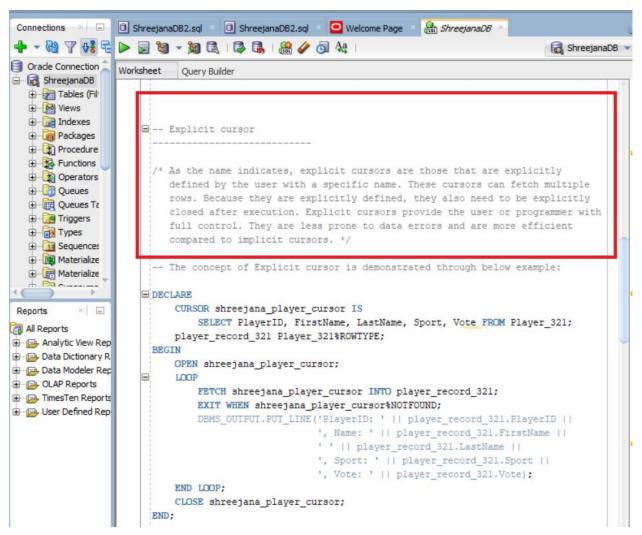


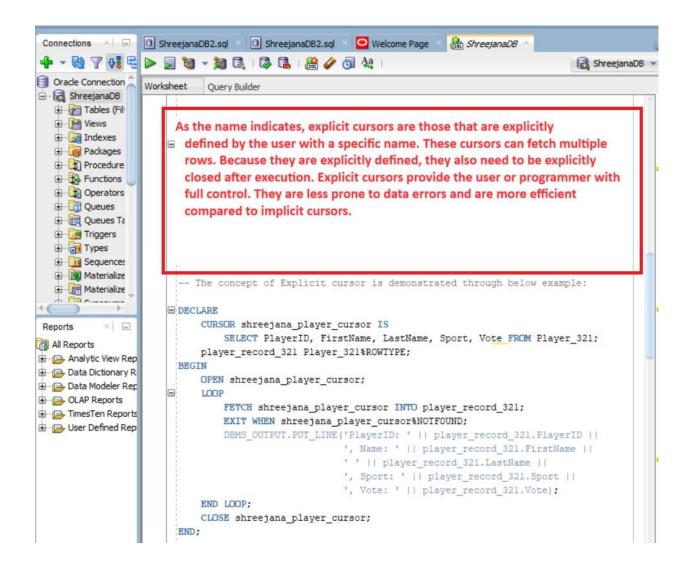


code and output



Question 2: Explicit Cursor





code and output

```
Connections × =
                 ☐ ShreejanaDB2.sql 		 ☐ ShreejanaDB2.sql 		 ☐ Welcome Page 		 ☐ ShreejanaDB 		 →
4 - 60 7 V E
                 ▶ 📓 🗑 🤻 🗟 | 🐉 🐍 | ∰ 🏈 👩 🎎 | 0.097 seconds
                                                                                      ShreejanaDB
Oracle Connection
                 Worksheet
                           Query Builder
☐ ShreejanaDB
  Tables (Filt
                          The concept of Explicit cursor is demonstrated through below example:
  ⊕ Wiews
  DECLARE

    ⊕ Packages

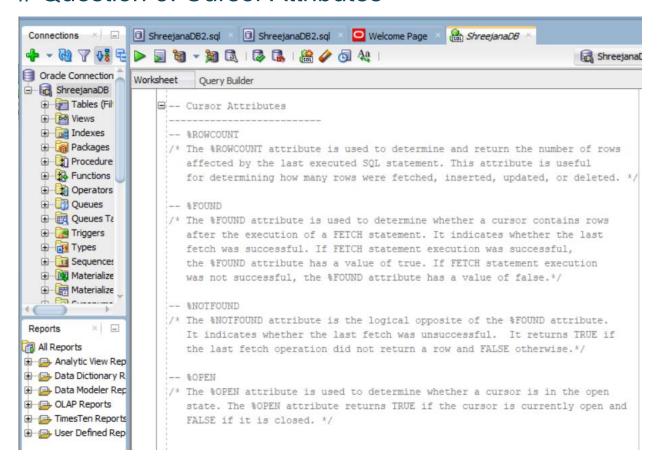
                         CURSOR shreejana_player_cursor IS
  Procedure
                              SELECT PlayerID, FirstName, LastName, Sport, Vote FROM Player 321;
  ⊕ Punctions
                          player_record_321 Player_321%ROWTYPE;
  ① Operators
  ① Queues
                          OPEN shreejana_player_cursor;
  ⊕ Queues Ta
  Triggers
                              FETCH shreejana_player_cursor INTO player_record_321;
  Types
                              EXIT WHEN shreejana_player_cursor%NOTFOUND;
  DBMS_OUTPUT.PUT_LINE('PlayerID: ' || player_record_321.PlayerID ||
  ', Name: ' || player_record_321.FirstName ||
  ' ' || player_record_321.LastName ||
                                                  ', Sport: ' || player_record_321.Sport ||
                                                  ', Vote: ' || player_record_321.Vote);
Reports
                          END LOOP:
All Reports
                          CLOSE shreejana_player_cursor;
Analytic View Rep
                       END:

⊕ Data Dictionary R

→ Data Modeler Rep

→ ▼
DLAP Reports
                  Script Output X Query Result X
Task completed in 0.097 seconds
PlayerID: 1, Name: Michael Jordan, Sport: Basketball, Vote: 98
                 PlayerID: 2, Name: Serena Williams, Sport: Tennis, Vote: 95
                 PlayerID: 3, Name: Lionel Messi, Sport: Soccer, Vote: 99
                 PlayerID: 4, Name: Usain Bolt, Sport: Athletics, Vote: 97
                 PL/SQL procedure successfully completed.
```

Question 3: Cursor Attributes



code

```
☐ ShreejanaDB2.sql × ☐ ShreejanaDB2.sql × ☐ Welcome Page × 🔐 ShreejanaDB
Connections × =
💠 - 🔞 7 👫 🗗 ⊳ 🛢 🗑 - 💆 🗟 I 🗟 🗳 🧿 👯 I
                                                                                     ShreejanaDB
Oracle Connection
                 Worksheet
                          Query Builder
☐ ShreejanaDB
  Tables (Fil
                    ■ DECLARE
  ⊕ Wiews
                         CURSOR shreejana_player_cursor IS
  SELECT PlayerID, FirstName, LastName, Sport, Vote FROM Player_321;
  player_record_0321 Player_321%ROWTYPE;
  ⊕ 🛐 Procedure
                      BEGIN
  ⊕ Punctions
                         OPEN shreejana_player_cursor; -- Open the cursor created above
  LOOP
  ① Queues
                             -- Fetch current row from cursor
  ⊕ Queues Ta
                             FETCH shreejana_player_cursor INTO player_record_0321;
  -- Test for end of the cursor using %NOTFOUND
  Types
                             EXIT WHEN shreejana_player_cursor%NOTFOUND;
  DBMS_OUTPUT.PUT_LINE('PlayerID: ' || TO_CHAR(player_record_0321.PlayerID)
  ', Name: ' || player_record_0321.FirstName ||
                                                ' ' || player_record_0321.LastName ||
                                                ', Sport: ' || player_record_0321.Sport ||
Reports
                                                ', Vote: ' || TO_CHAR(player_record_0321.Vote));
All Reports
                         -- use of %ROWCOUNT to find the rows fetched
Analytic View Rep
                             DBMS_OUTPUT.FUT_LINE('Rows fetched so far: '
|| TO CHAR (shreejana player cursor & ROWCOUNT));
-- displaying message showing use of %FOUND
OLAP Reports
                             DBMS OUTPUT.PUT LINE ('Cursor Found: '
|| CASE WHEN shreejana_player_cursor%FOUND
THEN 'TRUE' ELSE 'FALSE' END);
                          -- displaying message showing use of %NOTFOUND
                             DBMS OUTPUT.PUT LINE ('Cursor Not Found: '
                                               || CASE WHEN shreejana_player_cursor%NOTFOUND
                                               THEN 'TRUE' ELSE 'FALSE' END);
                         END LOOP:
                         CLOSE shreejana_player_cursor; -- cursor closing
                      END:
```

Output

