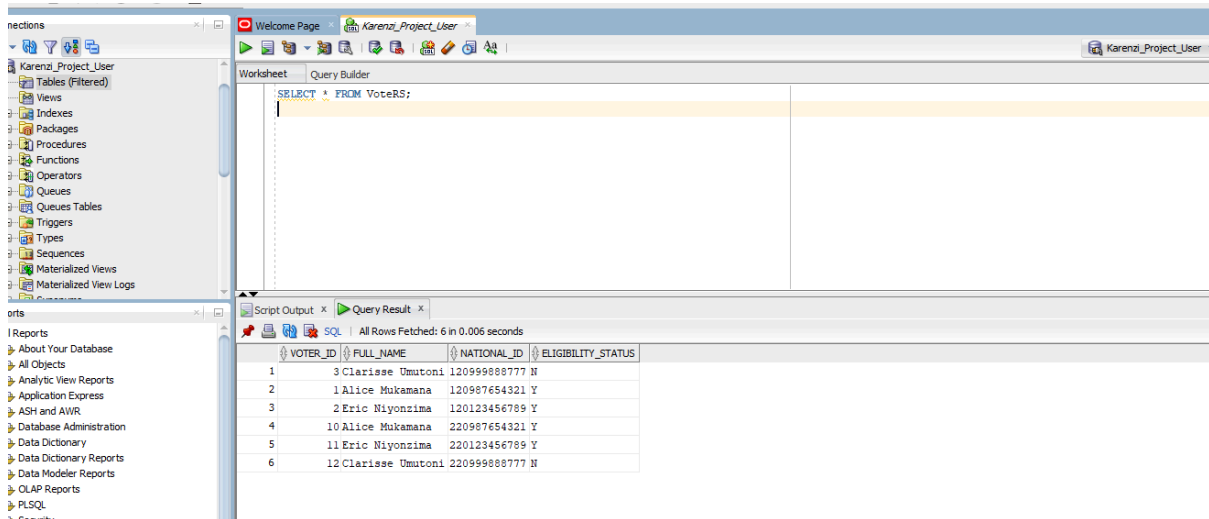
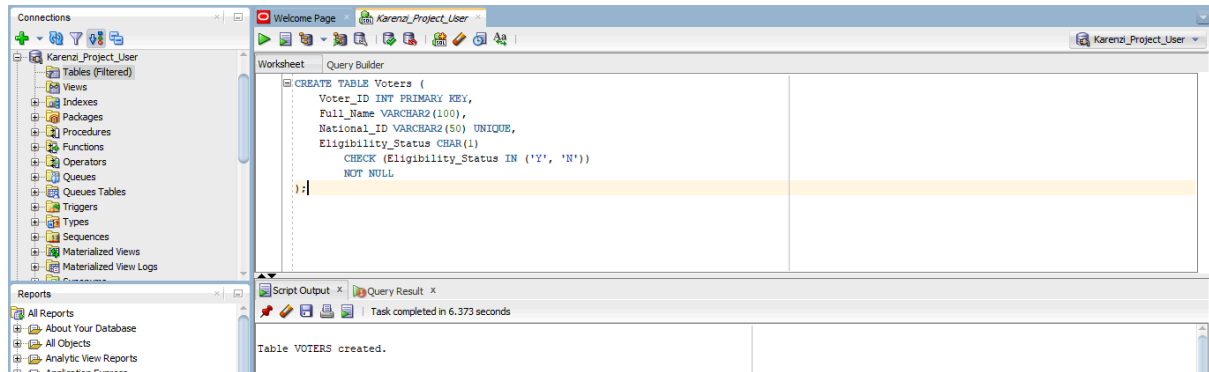


PHASE 5

TABLE CREATION AND INSERTION

VOTERS TABLE.



ELECTIONS TABLE.

Oracle SQL Developer: Karenzi_Project_User

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Connections

Karenzi_Project_User

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PL/SQL

Security

Script Output

Query Result

Task completed in 6.373 seconds

Table VOTERS created.

Table ELECTIONS created.

CREATE TABLE Elections (
Election_ID INT PRIMARY KEY,
Election_Type VARCHAR2(50),
Election_Date DATE NOT NULL,
Status VARCHAR2(20)
CHECK (Status IN ('Upcoming', 'Ongoing', 'Closed'))
);

Worksheet

Query Builder

SELECT * FROM elections;

Script Output

Query Result

All Rows Fetched: 6 in 0.006 seconds

ELECTION_ID	ELECTION_TYPE	ELECTION_DATE	STATUS
1	3 Local Government	01-OCT-25	Upcoming
2	2 Parliamentary	15-SEP-25	Upcoming
3	1 Presidential	01-AUG-25	Upcoming
4	10 Presidential	01-AUG-25	Upcoming
5	11 Parliamentary	15-SEP-25	Upcoming
6	12 Local Government	01-OCT-25	Upcoming

CANDIDATES TABLE.

Oracle SQL Developer: Karenzi_Project_User

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Worksheet Query Builder

```
CREATE TABLE Candidates (  
  Candidate_ID INT PRIMARY KEY,  
  Full_Name VARCHAR2(100),  
  Party VARCHAR2(50),  
  Election_ID INT,  
  CONSTRAINT fk_candidate_election  
    FOREIGN KEY (Election_ID) REFERENCES Elections(Election_ID)  
);
```

Script Output x Query Result x

Task completed in 6.373 seconds

Table VOTERS created.

Table ELECTIONS created.

Table CANDIDATES created.

Worksheet Query Builder

```
SELECT * FROM candidates;
```

Script Output x Query Result x

SQL | All Rows Fetched: 3 in 0.005 seconds

CANDIDATE_ID	FULL_NAME	PARTY	ELECTION_ID
1	100 John Doe	Unity Party	10
2	101 Jane Smith	Progress Party	10
3	102 Paul Kagame	RPF-Inkotanyi	11

VOTES TABLE.

Oracle SQL Developer: Karenzi_Project_User

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Script Output x Query Result x

Task completed in 6.373 seconds

Table VOTERS created.

Table ELECTIONS created.

Table CANDIDATES created.

Table VOTES created.

Worksheet Query Builder

```
CREATE TABLE Votes (  
  Vote_ID INT PRIMARY KEY,  
  Voter_ID INT,  
  Candidate_ID INT,  
  Election_ID INT,  
  Timestamp TIMESTAMP,  
  CONSTRAINT fk_vote_voter  
    FOREIGN KEY (Voter_ID) REFERENCES Voters(Voter_ID),  
  CONSTRAINT fk_vote_candidate  
    FOREIGN KEY (Candidate_ID) REFERENCES Candidates(Candidate_ID),  
  CONSTRAINT fk_vote_election  
    FOREIGN KEY (Election_ID) REFERENCES Elections(Election_ID)  
);
```

Script Output x Query Result x

All Rows Fetched: 3 in 0.004 seconds

	VOTE_ID	VOTER_ID	CANDIDATE_ID	ELECTION_ID	TIMESTAMP
1	1000	10	100	10-22-MAY-25	10.54.37.603000000 PM
2	1001	11	101	10-22-MAY-25	10.54.37.608000000 PM
3	1002	10	102	11-22-MAY-25	10.54.37.615000000 PM

RESULTS TABLE.

The screenshot displays the Oracle SQL Developer interface. The left sidebar shows the 'Connections' pane with 'Karenzi_Project_User' selected, and the 'Reports' pane. The main workspace is divided into a 'Worksheet' and a 'Query Builder'.

Query Builder: The 'CREATE TABLE Results' statement is entered:

```
CREATE TABLE Results (  
  Result_ID INT PRIMARY KEY,  
  Candidate_ID INT,  
  Election_ID INT,  
  Total_Votes INT,  
  CONSTRAINT fk_result_candidate  
    FOREIGN KEY (Candidate_ID) REFERENCES Candidates(Candidate_ID),  
  CONSTRAINT fk_result_election  
    FOREIGN KEY (Election_ID) REFERENCES Elections(Election_ID)  
);
```

Script Output: The execution results show the successful creation of several tables:

```
Table VOTERS created.  
  
Table ELECTIONS created.  
  
Table CANDIDATES created.  
  
Table VOTES created.  
  
Table RESULTS created.
```

Query: A query is entered in the 'Worksheet' to retrieve data from the 'Results' table:

```
SELECT * FROM results;
```

Query Result: The query returns 3 rows of data:

RESULT_ID	CANDIDATE_ID	ELECTION_ID	TOTAL_VOTES
1	200	100	1520
2	201	101	1430
3	202	102	2480

END.