

## QUERY 1

The screenshot displays the Oracle SQL Developer application window. The title bar includes 'w', 'Help', and 'SVCO'. The main window has a tabbed interface with 'Oracle Connection', 'Assignment.sql', and 'AssignmentData.sql'. The 'Query Builder' tab is active, showing the following SQL query:

```
SELECT Given_Name, Family_Name
FROM MEMBER
WHERE Band_Name = 'Castille';
```

Below the query editor, the 'Query Result' tab is active, displaying the results of the query. The status bar indicates 'All Rows Fetched: 5 in 0.014 seconds'. The results are presented in a table with two columns: 'GIVEN\_NAME' and 'FAMILY\_NAME'.

	GIVEN_NAME	FAMILY_NAME
1	Semih	Kayal
2	Dan	Smith
3	Kylie	Simmons
4	Will	Farquarson
5	Chris	Wood

## QUERY 2

The screenshot displays the Oracle SQL Developer environment. The top menu bar includes 'File', 'Edit', 'Tools', 'Window', and 'Help'. The toolbar contains various icons for file operations and execution. The 'Worksheet' tab is active, showing a SQL query in the 'Query Builder' pane:

```
SELECT Stage_No, Stage_Name
FROM Stage
WHERE CAPACITY > '8000';
```

Below the query, the 'Query Result' pane shows the execution status: 'All Rows Fetched: 2 in 0 seconds'. The results are displayed in a table with two columns: 'STAGE\_NO' and 'STAGE\_NAME'.

STAGE_NO	STAGE_NAME
1	1 Spartan
2	4 Istanbul

## QUERY 3

The screenshot shows the SQL Developer interface. The top toolbar includes icons for running queries, saving, and other database functions. The 'Query Builder' tab is active, displaying the following SQL query:

```
SELECT b.Band_Name, COUNT(*) AS "Number of Members"
FROM BAND b
JOIN MEMBER m
ON (m.Band_Name = b.Band_Name) group by b.BAND_NAME
HAVING COUNT(*) > 6;
```

Below the query editor, the 'Query Result' tab is active, showing the results of the query. The status bar indicates 'All Rows Fetched: 2 in 0.007 seconds'. The results are displayed in a table with two columns: 'BAND\_NAME' and 'Number of Members'.

	BAND_NAME	Number of Members
1	Rorokoro	7
2	Blue Pears	7

## QUERY 4

Oracle Connection | Assignment.sql | AssignmentData.sql

Worksheet | Query Builder

```
SELECT s.Stage_Name, COUNT(*) AS "Total Number of Members Requiring Access"
FROM Band b JOIN Member m
ON (m.Band_Name = b.Band_Name)
JOIN Performance p
ON (p.Band_Name = b.Band_Name)
JOIN Stage s
ON (s.Stage_No = p.Stage_No)
group by s.Stage_Name;
```

Query Result | All Rows Fetched: 7 in 0.021 seconds

STAGE_NAME	Total Number of Members Requiring Access
1 Avenger	5
2 Spartan	6
3 Glade	11
4 Ordu	13
5 John Peel	7
6 Istanbul	7
7 Acoustic	7

## QUERY 5

The screenshot displays the Oracle SQL Developer environment. The top menu bar includes 'Help' and 'SVCO'. Below it is the 'Oracle Connection' toolbar. The main workspace is divided into two panes: 'Worksheet' and 'Query Builder'. The 'Query Builder' pane contains the following SQL query:

```
SELECT concat(concat(Given_Name, ' '), Family_Name) AS "Name"
FROM MEMBER m JOIN BAND b
      ON(m.Band_Name = b.Band_Name)
      JOIN PERFORMANCE p
      ON(p.Band_Name = b.Band_Name)
      JOIN STAGE s
      ON(s.Stage_No = p.Stage_No)
WHERE Stage_Name = 'Spartan';
```

The 'Query Result' pane at the bottom shows the results of the query. It indicates that all rows were fetched in 0.115 seconds. The results are displayed in a table with a single column named 'Name'.

	Name
1	Fatih Kayali
2	Swarnim Gurung
3	Prakash Silva
4	Mazhar Alanson
5	Fuat Guner
6	Ozkan Ugur

## QUERY 6

SVCO

Oracle Connection | Assignment.sql | AssignmentData.sql

Worksheet | Query Builder

```
SELECT s.Stage_No,s.Stage_Name,s.Capacity,p.date_time
FROM STAGE s JOIN PERFORMANCE p
ON (p.stage_no = s.stage_no)
WHERE band_name = 'Blue Pears';
```

Query Result x

SQL | All Rows Fetched: 2 in 0 seconds

	STAGE_NO	STAGE_NAME	CAPACITY	DATE_TIME
1	4	Istanbul	15000	06-JUL-19 20.00.00.000000000
2	5	Ordu	5000	08-JUL-19 21.00.00.000000000

## QUERY 7

The screenshot displays the Oracle SQL Developer interface. The top menu bar includes 'w', 'Help', and 'SVCO'. The main window has two tabs: 'Oracle Connection' and 'AssignmentData.sql'. Below the tabs is a toolbar with various icons. The 'Query Builder' tab is active, showing a SQL query in the editor:

```
SELECT *  
FROM MEMBER  
WHERE BAND_NAME IN (SELECT BAND_NAME  
                     FROM MEMBER  
                     WHERE MEMBER_ID = '10000004' ) ;
```

The 'Query Result' window is open at the bottom, showing the results of the query. It indicates 'All Rows Fetched: 7 in 0.978 seconds'. The results are displayed in a table with the following columns: MEMBER\_ID, GIVEN\_NAME, FAMILY\_NAME, DOB, JOB\_TYPE, and BAND\_NAME.

	MEMBER_ID	GIVEN_NAME	FAMILY_NAME	DOB	JOB_TYPE	BAND_NAME
1	10000004	Numan	Kaya	29-MAR-90	Technician	Rorokoro
2	10000005	Lauren	Kinkade	14-SEP-55	Musician	Rorokoro
3	10000006	Steven	Santigo	15-JUN-60	Musician	Rorokoro
4	10000007	Jennifer	Cella	17-MAY-80	Musician	Rorokoro
5	10000008	Wayne	Horino	19-APR-91	Musician	Rorokoro
6	10000009	Glen	Nishida	10-MAR-54	Musician	Rorokoro
7	10000010	Michael	Chung	18-FEB-78	Musician	Rorokoro

## QUERY 8

Help SVCO

Oracle Connection

Worksheet Query Builder

```
SELECT Given_Name, Family_Name, TO_CHAR(DOB, 'YYYY') AS "Year of Birth"
FROM Member m JOIN Band b
    ON (m.BAND_NAME = b.BAND_NAME)
    JOIN Agent a
    ON (a.Agent_No=b.AGENT_NO)
WHERE a.GIVENNAME = 'Claire' AND a.FAMILYNAME = 'Lascayne'
ORDER BY m.FAMILY_NAME, m.GIVEN_NAME;
```

Query Result x

SQL | All Rows Fetched: 5 in 0.015 seconds

	GIVEN_NAME	FAMILY_NAME	Year of Birth
1	Will	Farquarson	1990
2	Semih	Kayal	1998
3	Kylie	Simmons	1987
4	Dan	Smith	1986
5	Chris	Wood	1991



## QUERY 9

Help SVCO

Oracle Connection x AssignmentData.sql x

Worksheet Query Builder

```
SELECT Given_Name, Family_Name, round(months_between(SYSDATE , DOB)/12) AS "Age"
FROM MEMBER
WHERE Band_Name = 'Rorokoro' ;
```

Script Output x Query Result x

SQL | All Rows Fetched: 7 in 0.006 seconds

	GIVEN_NAME	FAMILY_NAME	Age
1	Numan	Kaya	30
2	Lauren	Kinkade	64
3	Steven	Santiago	59
4	Jennifer	Cella	40
5	Wayne	Horino	29
6	Glen	Nishida	66
7	Michael	Chung	42

## QUERY 10

Oracle Connection x AssignmentData.sql x

Worksheet Query Builder

```
SELECT Stage_Name,Band_Name,TO_CHAR(Date_Time,'DAY') AS "DAY",TO_CHAR(Date_Time,'HH24:MI') AS "TIME"
FROM STAGE,PERFORMANCE
WHERE STAGE.STAGE_NO = PERFORMANCE.STAGE_NO
ORDER BY 1 ASC ,3,4;
```

Query Result x Script Output x Query Result 1 x

SQL | All Rows Fetched: 9 in 0.016 seconds

	STAGE_NAME	BAND_NAME	DAY	TIME
1	Acoustic	Rorokoro	SUNDAY	21:00
2	Avenger	Castille	MONDAY	22:00
3	Glade	MFO	MONDAY	20:00
4	Glade	Castille	SUNDAY	22:00
5	Istanbul	Blue Pears	SATURDAY	20:00
6	John Peel	Rorokoro	MONDAY	20:00
7	Ordu	Blue Pears	MONDAY	21:00
8	Ordu	MFO	SUNDAY	19:00
9	Spartan	MFO	SATURDAY	15:00

# Describe Table Agent

Oracle SQL Developer : Oracle Connection

File Edit View Navigate Run Source Team Tools Window Help SVCO

Connections

- Oracle Connection
  - Tables (Filtered)
    - AGENT
    - BAND
    - BUILDING
    - DEPARTMENT
    - EMPLOYEE
    - FLOORSPACE
    - JOB
    - MEMBER
    - PERFORMANCE
    - STAGE
    - STUDENT
  - Views
  - Editing Views
  - Indexes
  - Packages
  - Procedures
  - Functions
  - Queues
  - Queues Tables
  - Triggers
  - Crossedition Triggers
  - Types

Worksheet

Query Builder

DESCRIBE AGENT

Query Result x Script Output x

Task completed in 0.453 seconds

Name	Null?	Type
AGENT_NO	NOT NULL	NUMBER(8,2)
GIVENNAME	NOT NULL	VARCHAR2(40)
FAMILYNAME	NOT NULL	VARCHAR2(40)

# Describe Table Band

Oracle SQL Developer: Oracle Connection

File Edit View Navigate Run Source Team Tools Window Help SVCO

Connections

- Oracle Connection
  - Tables (Filtered)
    - AGENT
    - BAND
    - BUILDING
    - DEPARTMENT
    - EMPLOYEE
    - FLOORSPACE
    - JOB
    - MEMBER
    - PERFORMANCE
    - STAGE
    - STUDENT
  - Views
  - Editing Views
  - Indexes
  - Packages
  - Procedures
  - Functions
  - Queues
  - Queues Tables
  - Triggers
  - Crossedition Triggers
  - Tvnes

Reports

- All Reports
  - Analytic View Reports
  - Data Dictionary Reports
  - Data Modeler Reports
  - OLAP Reports
  - TimesTen Reports
  - User Defined Reports

Oracle Connection

Worksheet Query Builder

DESCRIBE BAND

Query Result x Script Output x

Task completed in 0.496 seconds

Name	Null?	Type
BAND_NAME	NOT NULL	VARCHAR2(60)
DESCRIPTION	NOT NULL	VARCHAR2(40)
AGENT_NO		NUMBER(8,2)

## Describe Table Stage

Oracle SQL Developer: Oracle Connection

File Edit View Navigate Run Source Team Tools Window Help SVCO

Connections

- Oracle Connection
  - Tables (Filtered)
    - AGENT
    - BAND
    - BUILDING
    - DEPARTMENT
    - EMPLOYEE
    - FLOORSPACE
    - JOB
    - MEMBER
    - PERFORMANCE
    - STAGE
    - STUDENT
  - Views
  - Editing Views
  - Indexes
  - Packages
  - Procedures
  - Functions
  - Queues
  - Queues Tables
  - Triggers
  - Crossedition Triggers
  - Types

Worksheet

Query Builder

DESCRIBE STAGE

0.514 seconds

Reports

- All Reports
  - Analytic View Reports
  - Data Dictionary Reports
  - Data Modeler Reports
  - OLAP Reports
  - TimesTen Reports
  - User Defined Reports

Query Result x Script Output x

Task completed in 0.514 seconds

Name	Null?	Type
STAGE_NO	NOT NULL	NUMBER(8,2)
STAGE_NAME	NOT NULL	VARCHAR2(40)
CAPACITY	NOT NULL	NUMBER(8,2)

## Describe Table Member

The screenshot displays the Oracle SQL Developer interface. On the left, the 'Connections' pane shows a tree view of database objects under the 'Oracle Connection' node, including tables like AGENT, BAND, BUILDING, DEPARTMENT, EMPLOYEE, FLOORSPEACE, JOB, MEMBER, PERFORMANCE, STAGE, and STUDENT. Below this is the 'Reports' pane. The main workspace is divided into a 'Worksheet' and a 'Query Builder'. The 'Worksheet' tab is active, showing the SQL command `DESCRIBE MEMBER`. Below the query, the 'Query Result' pane displays the output of the command, showing the structure of the 'MEMBER' table. The result is a table with columns: Name, Null?, and Type. The data rows are: MEMBER\_ID (NOT NULL, VARCHAR2(40)), GIVEN\_NAME (NOT NULL, VARCHAR2(40)), FAMILY\_NAME (NOT NULL, VARCHAR2(40)), DOB (DATE), JOB\_TYPE (VARCHAR2(40)), and BAND\_NAME (VARCHAR2(60)).

Oracle SQL Developer : Oracle Connection

File Edit View Navigate Run Source Team Tools Window Help \$VCO

Connections

Oracle Connection

Tables (Filtered)

- AGENT
- BAND
- BUILDING
- DEPARTMENT
- EMPLOYEE
- FLOORSPEACE
- JOB
- MEMBER
- PERFORMANCE
- STAGE
- STUDENT

Views

Editing Views

Indexes

Packages

Procedures

Functions

Queues

Queues Tables

Triggers

Crossedition Triggers

Types

Reports

All Reports

- Analytic View Reports
- Data Dictionary Reports
- Data Modeler Reports
- OLAP Reports
- TimesTen Reports
- User Defined Reports

Worksheet Query Builder

DESCRIBE MEMBER

Query Result x Script Output x

Task completed in 0.547 seconds

Name	Null?	Type
MEMBER_ID	NOT NULL	VARCHAR2(40)
GIVEN_NAME	NOT NULL	VARCHAR2(40)
FAMILY_NAME	NOT NULL	VARCHAR2(40)
DOB		DATE
JOB_TYPE		VARCHAR2(40)
BAND_NAME		VARCHAR2(60)



## Describe Table Performance

The screenshot displays the Oracle SQL Developer interface. The 'Connections' pane on the left shows a tree view of database objects, with 'PERFORMANCE' table selected under 'Tables (Filtered)'. The 'Query Builder' tab is active, showing the query 'DESCRIBE PERFORMANCE'. The 'Query Result' pane at the bottom right displays the execution results of the query, showing the table structure with columns: PERFORMANCEID, STAGE\_NO, BAND\_NAME, and DATE\_TIME. The task completed in 0.532 seconds.

Name	Null?	Type
PERFORMANCEID	NOT NULL	NUMBER(8,2)
STAGE_NO		NUMBER(8,2)
BAND_NAME		VARCHAR2(60)
DATE_TIME		TIMESTAMP(6)

# Grant Access

The screenshot displays the SQL Developer interface. At the top, a menu bar includes 'Help' and 'SVCO'. Below it, a toolbar contains various icons for file operations and execution. The main workspace is titled 'Worksheet' and 'Query Builder', showing five SQL grant statements for user 'rj14aab' on objects 'AGENT', 'BAND', 'MEMBER', 'PERFORMANCE', and 'STAGE'. The last statement is highlighted. Below the workspace, a 'Script Output' window shows the execution results, with each grant statement followed by the message 'Grant succeeded.' and a total completion time of 0.453 seconds.

Help SVCO

Oracle Connection x

0.45300001 seconds

Worksheet Query Builder

```
GRANT ALL ON AGENT TO rj14aab,comghxl,comrklk,comtpmm;  
GRANT ALL ON BAND TO rj14aab,comghxl,comrklk,comtpmm;  
GRANT ALL ON MEMBER TO rj14aab,comghxl,comrklk,comtpmm;  
GRANT ALL ON PERFORMANCE TO rj14aab,comghxl,comrklk,comtpmm;  
GRANT ALL ON STAGE TO rj14aab,comghxl,comrklk,comtpmm ;
```

Script Output x

Task completed in 0.453 seconds

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.

Grant succeeded.