

ACTIVITY LEPKOM

Mata Praktikum : JAVA FOR INTERMEDIATE
Kelas : 3IA02
Praktikum ke- : 3
Tanggal : _/5/23
Materi :
NPM : 50420562
Nama : Ibrahim Bramullah
Ketua Asisten : Aldila Rohman
Paraf Asisten :
Nama Asisten :
Jumlah Lembar : 4 Lembar

LABORATORIUM TEKNIK INFORMATIKA

UNIVERSITAS GUNADARMA

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1.

a.

The screenshot displays the Oracle SQL Developer interface. The title bar reads "Oracle SQL Developer : Ibrahim_50420562". The menu bar includes File, Edit, View, Navigate, Run, Source, Team, Tools, Window, and Help. The toolbar contains icons for file operations, navigation, and execution. The left pane shows the "Connections" tree with "Ibrahim_50420562" selected, and the "Reports" tree below it. The main workspace is split into a "Worksheet" and a "Query Builder" tab. The Worksheet contains the following SQL code:

```
--1
CREATE TABLE data_mahasiswa(
  npm number(15),
  nama varchar2(30),
  tempat_lahir varchar2(30),
  tgl_lahir date,
  alamat varchar2(50),
  jurusan varchar2(50),
  ipk number(3,2);
desc data_mahasiswa;
```

The "Script Output" pane at the bottom shows the execution results:

Task completed in 0.227 seconds

Table DATA_MAHASISWA created.

Name	Null	Type
NPM		NUMBER(15)
NAMA		VARCHAR2(30)
TEMPAT_LAHIR		VARCHAR2(30)
TGL_LAHIR		DATE
ALAMAT		VARCHAR2(50)
JURUSAN		VARCHAR2(50)
IPK		NUMBER(3,2)

b.

Oracle SQL Developer: Ibrahim_50420562

File Edit View Navigate Run Source Team Tools Window Help

Connections

Ibrahim_50420562

Tables (Filtered)

Views

Editing Views

Indexes

Packages

Procedures

Functions

Queues

Queues Tables

Triggers

Crossed Join Triggers

Types

Sequences

Materialized Views

Materialized View Logs

Synonyms

Public Synonyms

Database Links

Public Database Links

Directories

Editions

Application Express

Reports

All Reports

Data Dictionary Reports

Data Modeler Reports

OLAP Reports

TimesTen Reports

User Defined Reports

Worksheet

```
--2
INSERT all
into data_mahasiswa values(53210985, 'dio hari susilo','bogor', '16-aug1992', 'jl.kenari', 'teknik informatika', 2.92)
into data_mahasiswa values(18111525, 'hardi', 'jakarta', '11-july-1993',
'jl.jereng', 'sistem informasi', 3.76)
into data_mahasiswa values(52409380, 'fadel andrea', 'depok', '21-april1991', 'jl.diuk', 'teknik informatika', 3.15)
into data_mahasiswa values(12111274, 'dwiki arif witoro', 'bandung', '10-
dec-1993', 'kampung pulo', 'sistem informasi', 3.98)
into data_mahasiswa values(36112029, 'rara dwi natasha', 'jakarta', '10-
may-1994', 'jl.kapuk', 'managemen informatika', 4.00)
select * from dual;
select * from data_mahasiswa;
```

Script Output x Query Result x

SQL | All Rows Fetched: 5 in 0.015 seconds

	NPM	NAMA	TEMPAT_LAHIR	TGL_LAHIR	ALAMAT	JURUSAN	IPK
1	53210985	dio hari susilo	bogor	16-08-1992	jl.kenari	teknik informatika	2,92
2	18111525	hardi	jakarta	11-07-1993	jl.jereng	sistem informasi	3,76
3	52409380	fadel andrea	depok	21-04-1991	jl.diuk	teknik informatika	3,15
4	12111274	dwiki arif witoro	bandung	10-12-1993	kampung pulo	sistem informasi	3,98
5	36112029	rara dwi natasha	jakarta	10-05-1994	jl.kapuk	managemen informatika	4

2.

Oracle SQL Developer: Ibrahim_50420562

File Edit View Navigate Run Source Team Tools Window Help

Connections

Ibrahim_50420562

Tables (Filtered)

Views

Editing Views

Indexes

Packages

Procedures

Functions

Queues

Queues Tables

Triggers

Crossed Join Triggers

Types

Sequences

Materialized Views

Materialized View Logs

Synonyms

Public Synonyms

Database Links

Public Database Links

Directories

Editions

Application Express

Reports

All Reports

Data Dictionary Reports

Data Modeler Reports

OLAP Reports

TimesTen Reports

User Defined Reports

Worksheet

```
into data_mahasiswa values(52409380, 'fadel andrea', 'depok', '21-april1991', 'jl.diuk', 'tekn
into data_mahasiswa values(12111274, 'dwiki arif witoro', 'bandung', '10-
dec-1993', 'kampung pulo', 'sistem informasi', 3.98)
into data_mahasiswa values(36112029, 'rara dwi natasha', 'jakarta', '10-
may-1994', 'jl.kapuk', 'managemen informatika', 4.00)
select * from dual;
select * from data_mahasiswa;

--2
CREATE view v_data_mahasiswa as
select npm, nama, tempat_lahir, tgl_lahir, alamat, jurusan, ipk from
data_mahasiswa where jurusan = 'teknik informatika';
SELECT * FROM v_data_mahasiswa;
```

Script Output x Query Result x Query Result 1 x

SQL | All Rows Fetched: 2 in 0.004 seconds

	NPM	NAMA	TEMPAT_LAHIR	TGL_LAHIR	ALAMAT	JURUSAN	IPK
1	53210985	dio hari susilo	bogor	16-08-1992	jl.kenari	teknik informatika	2,92
2	52409380	fadel andrea	depok	21-04-1991	jl.diuk	teknik informatika	3,15

3.

Oracle SQL Developer : Ibrahim_50420562

File Edit View Navigate Run Source Team Tools Window Help

Connections

Ibrahim_50420562

- Tables (Filtered)
- Views
- Editing Views
- Indexes
- Packages
- Procedures
- Functions
- Queues
- Queues Tables
- Triggers
- Crossedition Triggers
- Types
- Sequences
- Materialized Views
- Materialized View Logs
- Synonyms
- Public Synonyms
- Database Links
- Public Database Links
- Directories
- Editions
- Application Express

Worksheet

```

SELECT * FROM data_mahasiswa;

--2
CREATE view v_data_mahasiswa as
select npm, nama, tempat_lahir, tgl_lahir, alamat, jurusan, ipk from
data_mahasiswa where jurusan = 'teknik informatika';
SELECT * FROM v_data_mahasiswa;

--3
create or replace view v_data_mahasiswa as
select npm, nama name, tempat_lahir, tgl_lahir, alamat address, jurusan,
ipk as gpa from data_mahasiswa;
SELECT * FROM v_data_mahasiswa;

```

Script Output x Query Result x Query Result 1 x Query Result 2 x

SQL | All Rows Fetched: 5 in 0.003 seconds

	NPM	NAME	TEMPAT_LAHIR	TGL_LAHIR	ADDRESS	JURUSAN	GPA
1	53210985	dio hari susilo	bogor	16-08-1992	j1.kenari	teknik informatika	2,92
2	18111525	hardi	jakarta	11-07-1993	j1.jereng	sistem informasi	3,76
3	52409380	fadel andreza	depok	21-04-1991	j1.diuk	teknik informatika	3,15
4	12111274	dwiki arif witoro	bandung	10-12-1993	kampung pulo	sistem informasi	3,98
5	36112029	rara dwi natasha	jakarta	10-05-1994	j1.kapuk	managemen informatika	4

Reports

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

4.

Oracle SQL Developer : Ibrahim_50420562

File Edit View Navigate Run Source Team Tools Window Help

Connections

Ibrahim_50420562

- Tables (Filtered)
- Views
- Editing Views
- Indexes
- Packages
- Procedures
- Functions
- Queues
- Queues Tables
- Triggers
- Crossedition Triggers
- Types
- Sequences
- Materialized Views
- Materialized View Logs
- Synonyms
- Public Synonyms
- Database Links
- Public Database Links
- Directories
- Editions
- Application Express

Worksheet

```

select npm, nama, tempat_lahir, tgl_lahir, alamat, jurusan, ipk from
data_mahasiswa where jurusan = 'teknik informatika';
SELECT * FROM v_data_mahasiswa;

--3
create or replace view v_data_mahasiswa as
select npm, nama name, tempat_lahir, tgl_lahir, alamat address, jurusan,
ipk as gpa from data_mahasiswa;
SELECT * FROM v_data_mahasiswa;

--4
desc v_data_mahasiswa;
select view_name, view_type, view_type_owner from user_views;

```

Script Output x Query Result x Query Result 1 x Query Result 2 x Query Result 3 x

SQL | All Rows Fetched: 13 in 0.01 seconds

	VIEW_NAME	VIEW_TYPE	VIEW_TYPE_OWNER
1	AQ\$DEF\$_AQCALL	(null)	(null)
2	AQ\$DEF\$_AQERROR	(null)	(null)
3	AQ\$DEF\$_AQCALL_F	(null)	(null)
4	AQ\$DEF\$_AQERROR_F	(null)	(null)
5	MVIEW_EVALUATIONS	(null)	(null)
6	MVIEW_EXCEPTIONS	(null)	(null)
7	MVIEW_FILTER	(null)	(null)
8	MVIEW_FILTERINSTANCE	(null)	(null)
9	MVIEW_LOG	(null)	(null)
10	MVIEW_RECOMMENDATIONS	(null)	(null)
11	MVIEW_WORKLOAD	(null)	(null)
12	PRODUCT_PRIVS	(null)	(null)
13	V_DATA_MAHASISWA	(null)	(null)

Reports

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

5.

The screenshot displays the Oracle SQL Developer environment for user Ibrahim_50420562. The interface includes a menu bar (File, Edit, View, Navigate, Run, Source, Team, Tools, Window, Help), a toolbar, and three main panes: Connections, Worksheet, and Reports.

Connections Pane: Shows a tree view of database objects for the connection Ibrahim_50420562, including Tables (Filtered), Views, Editioning Views, Indexes, Packages, Procedures, Functions, Queues, Queues Tables, Triggers, Crossedition Triggers, Types, Sequences, Materialized Views, Materialized View Logs, Synonyms, Public Synonyms, Database Links, Public Database Links, Directories, Editions, and Application Express.

Worksheet Pane: Contains a SQL script with the following content:

```
create or replace view v_data_mahasiswa as
select npn, nama name, tempat_lahir, tgl_lahir, alamat add
ipk as gpa from data_mahasiswa;
SELECT * FROM v_data_mahasiswa;

--4
desc v_data_mahasiswa;
select view_name, view_type, view_type_owner from user_views;

--5
drop view v_data_mahasiswa;
SELECT * FROM v_data_mahasiswa;
```

Reports Pane: Shows a tree view of report categories: All Reports, Data Dictionary Reports, Data Modeler Reports, OLAP Reports, TimesTen Reports, and User Defined Reports.

Script Output Pane: Displays the execution results and errors. The status bar indicates "Executing: SELECT * FROM v_data_mahasiswa in 0 seconds". The output shows an error:

```
ORA-00942: table or view does not exist
00942. 00000 - "table or view does not exist"
*Cause:
*Action:
Error at Line: 43 Column: 15
```