

PRAKTIKUM basis data lanjutan

Praktikum 5



RIZKY CAHYA ZULIYANTO (3122522018)

PRODI D3 TEKNIK INFORMATIKA

DEPARTEMEN TEKNIK INFORMATIKA DAN KOMPUTER

PENS PSDKU SUMENEP

### A. Sequence

➤ Percobaan Mahasiswa.

1. Buatlah 3 sequence sesuai dengan kriteria di atas yaitu album\_noalbum, mus\_idmus, prompt\_idprompt yang akan digunakan sebagai primary key dalam table album, musisi, promotor.

```
CREATE SEQUENCE album_id_seq
START WITH 1
INCREMENT BY 1
NOCACHE
NOCYCLE;

CREATE SEQUENCE musisi_id_seq
START WITH 1
INCREMENT BY 1
NOCACHE
NOCYCLE;

CREATE SEQUENCE promotor_id_seq
START WITH 1
INCREMENT BY 1
NOCACHE
NOCYCLE;
```

Script Output x Query Result x

Task completed in 0.092 seconds

Sequence MUSISI\_ID\_SEQ created.

Sequence PROMOTOR\_ID\_SEQ created.

- Periksa keberadaan Sequence

[illegible]

- NEXTVAL, CURRVAL dan Penggunaan Sequence  
nextval

```
INSERT INTO promotor (HAK_AGENSI, MERK)
VALUES (promotor_id_seq.NEXTVAL, 'Merk Promotor Baru');
```

Script Output x Query Result x

Task completed in 0.045 seconds

1 row inserted.

#### CURRVAL

```
SELECT promotor_id_seq.CURRVAL FROM DUAL;
```

Script Output x Query Result x Query Result 1 x

SQL | All Rows Fetched: 1 in 0.009 seconds

	CURRVAL
1	2

- Modifikasi dan Penghapusan Sequence

#### Modifikasi:

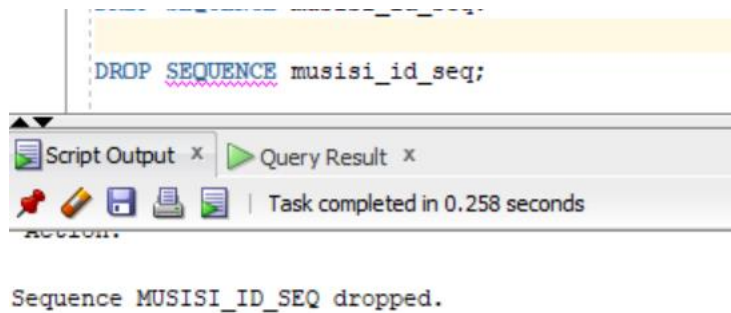
```
ALTER sequence musisi_id_seq
increment by 1
MAXVALUE 999999
NOCACHE
NOCYCLE;
```

Script Output x Query Result x

Task completed in 0.047 seconds

Sequence MUSISI\_ID\_SEQ altered.

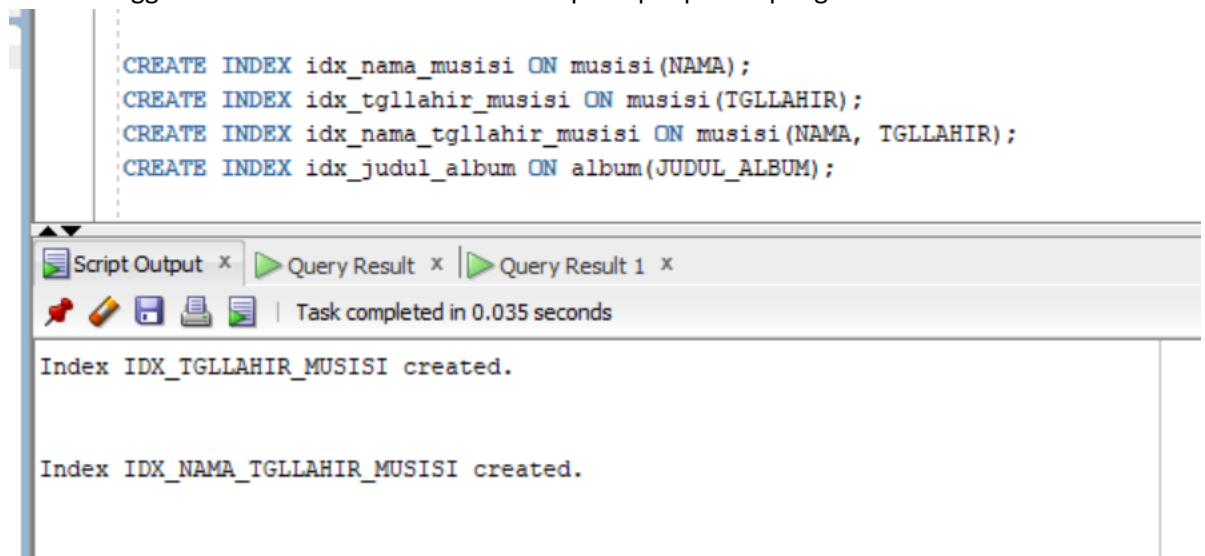
#### Penghapusan :



## B. index

### ➤ Percobaan Mahasiswa

1. Buatlah 4 index dari n buah table yang menurut anda nantinya akan sering di akses oleh user sehingga membutuhkan index untuk mempercepat proses pengaksesan.



- Melakukan pemeriksaan terhadap keberadaan Index

```
column column_name format a15
SELECT ic.index_name, ic.column_name, ic.column_position AS col_pos, ix.uniqueness
FROM user_indexes ix
JOIN user_ind_columns ic ON ic.index_name = ix.index_name
WHERE ic.table_name = 'idx_nama_musisi';
```

Script Output x Query Result x

SQL | All Rows Fetched: 0 in 0.172 seconds

INDEX_N...	COLUMN_...	COL_POS	UNIQUEN...
------------	------------	---------	------------

- Menghapus Index

```
DROP INDEX idx_nama_musisi;
```

Script Output x Query Result x Query Result 1 x

Task completed in 0.049 seconds

SP2-0044: For a list of known commands enter HELP  
and to leave enter EXIT.  
>>Query Run In:Query Result

Index IDX\_NAMA\_MUSISI dropped.