ACTIVITY PERTEMUAN 4

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NPM : 51422161 KELAS : 3IA11

MATERI: SELECT DML DAN EKSPRESI ARITMATIKA

MATA PRAKTIKUM: SISTEM BASIS DATA 1

(Screenshoot langkah-langkah sesuai video pembelajaran dan jelaskan dengan ringkas)

CREATE TABLE

SELECT * FROM MAHASISWA

```
DL 17
                                 ses (4)
51422161
                                 Query Query History
asts
                                 1 -- MEMBUAT TABLE MAHASISWA
atalogs
                                 2 - CREATE TABLE MAHASISWA(
                                         ID_MAHASISWA INT PRIMARY KEY NOT NULL,
vent Triggers
                                         FIRST_NAME VARCHAR(255),
xtensions
                                         LAST_NAME VARCHAR(255),
oreign Data Wrappers
                                         UTS INT,
anguages
                                         UAS INT
ublications
                                    );
chemas
                                     -- MENAMPILKAN TABEL
ubscriptions
                                11 SELECT * FROM MAHASISWA
q_51422161
atalogs
vent Triggers
xtensions
oreign Data Wrappers
anguages
ublications
chemas (1)
> public
Aggregates
A↓ Collations
n Domains
TTS Configurations
N FTS Dictionaries
Aa FTS Parsers
                                Data Output Messages Notifications
FTS Templates
                                 =+ a ∨ a a ± ~ sqL
Foreign Tables
(ii) Functions
                                     id_mahasiswa | first_name | character varying (255) | last_name | character varying (255) | uts | integer | integer |
Materialized Views
4 Operators
```

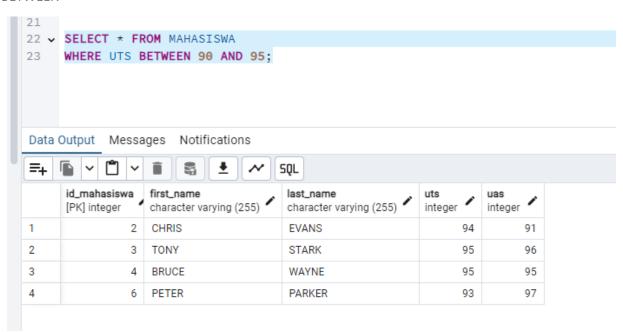
MEMASUKKAN RECORD

```
Query Query History
      1 -- MEMBUAT TABLE MAHASISWA
      2 v CREATE TABLE MAHASISWA(
3 ID_MAHASISWA INT PRIMARY KEY NOT NULL,
                  FIRST_NAME VARCHAR(255),
                  LAST_NAME VARCHAR(255),
                  UTS INT,
                  UAS INT
     7
8 );
     10 -- MENAMPILKAN TABEL
     11 - SELECT * FROM MAHASISWA
     12
     13
            -- MEMASUKKAN RECORD
           INSERT INTO MAHASISWA VALUES
     14 INSER'I INTO MAHASISWA VALUES
15 (1,'TARMIDZI','BARIQ',80,90),
16 (2,'CHRIS','EVANS',94,91),
17 (3,'TONY','STARK',95,96),
18 (4,'BRUCE','WAYNE',95,95),
19 (5,'TOM','HOLAND',84,98),
20 (6,'PETER','PARKER',93,97);
      Data Output Messages Notifications
      INSERT 0 6
      Query returned successfully in 125 msec.
```

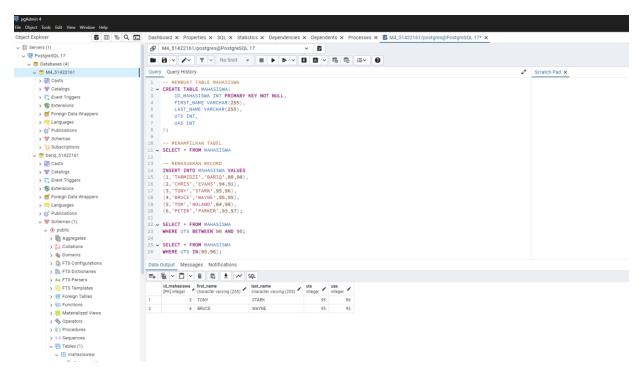
MENAMPILKAN TABEL

```
10 -- MENAMPILKAN TABEL
11 - SELECT * FROM MAHASISWA
12
13 -- MEMASUKKAN RECORD
13 -- MEMASUKKAN RECORD
14 INSERT INTO MAHASISWA VALUES
15 (1,'TARMIDZI','BARIQ',80,90),
16 (2,'CHRIS','EVANS',94,91),
17 (3,'TONY','STARK',95,96),
18 (4,'BRUCE','WAYNE',95,95),
19 (5,'TOM','HOLAND',84,98),
20 (6,'PETER','PARKER',93,97);
 Data Output Messages Notifications
 =+ 🖺 ∨ 🖺 ∨ 🛊 💲 👲 🚜 SQL
         id_mahasiswa | first_name | character varying (255)
                                                         last_name character varying (255) uts integer
                                                                                                      uas
integer /
                       1 TARMIDZI
                                                          BARIQ
                                                                                                80
                                                                                                              90
 2
                       2 CHRIS
                                                          EVANS
                                                                                                94
                                                                                                              91
 3
                       3 TONY
                                                          STARK
                                                                                                95
                                                                                                              96
                       4 BRUCE
                                                          WAYNE
                                                                                                              95
 4
                                                                                                95
                       5 TOM
                                                          HOLAND
                                                                                                              98
                                                                                                84
 5
                       6 PETER
                                                          PARKER
                                                                                                              97
                                                                                                93
```

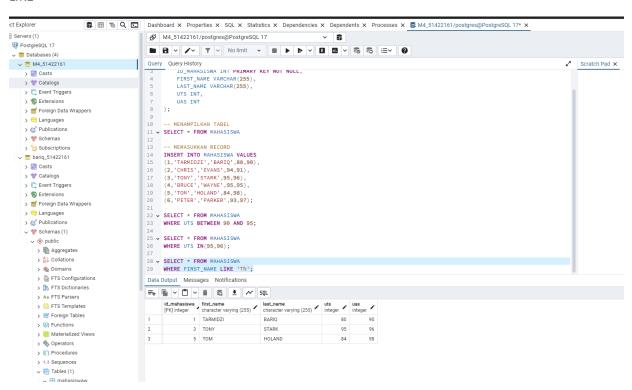
BETWEEN



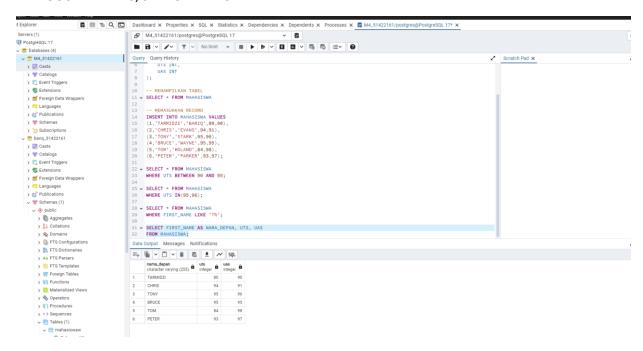
IN



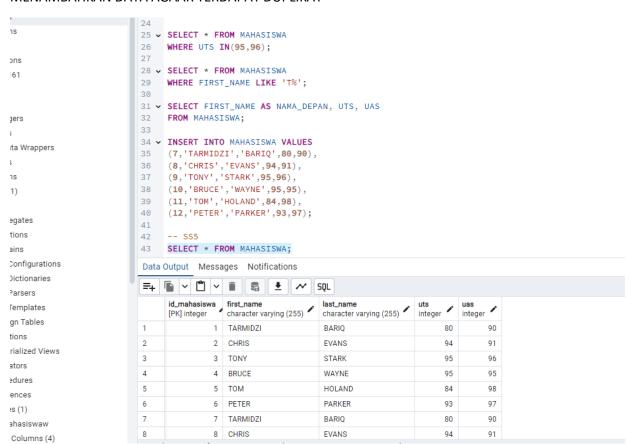
LIKE



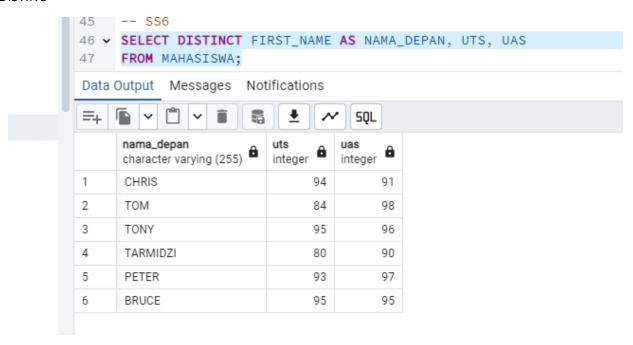
MENGGUNAKAN AS, SEBAGAI ALIAS



MENAMBAHKAN DATA AGAAR TERDAPAT DUPLIKAT



DISTINC



DELETE ID > 5

```
26 WHERE UIS IN(95,96);
                        27
                         28 - SELECT * FROM MAHASISWA
                        29 WHERE FIRST_NAME LIKE 'T%';
                        30
Wrappers
                        31 - SELECT FIRST_NAME AS NAMA_DEPAN, UTS, UAS
                        32
                             FROM MAHASISWA;
                        33
                        34 V INSERT INTO MAHASISWA VALUES
                        35 (7,'TARMIDZI','BARIQ',80,90),
                             (8,'CHRIS','EVANS',94,91),
(9,'TONY','STARK',95,96),
                        36
                        37
                        38 (10, 'BRUCE', 'WAYNE', 95, 95),
                         39 (11,'TOM','HOLAND',84,98),
                         40
                             (12, 'PETER', 'PARKER', 93, 97);
                        41
                             -- SS5
                        42
Wrappers
                        43 SELECT * FROM MAHASISWA;
                        44
                         45
                        46 V SELECT DISTINCT FIRST_NAME AS NAMA_DEPAN, UTS, UAS
                        47 FROM MAHASISWA;
                        48
ates
                              -- DELETE DATA YANG DITAMBAHKAN
                         49
ns
                        50 V DELETE FROM MAHASISWA
                         51 WHERE ID_MAHASISWA > 6;
nfigurations
                         Data Output Messages Notifications
tionaries
                         DELETE 6
nplates
                         Query returned successfully in 81 msec.
Tables
lized Views
)rs
```

WHERE UTS = 93 AND UAS = 97

```
40 (12, 'PETER', 'PARKER', 93, 97);
                      41
                      42
                           -- SS5
                      43
                         SELECT * FROM MAHASISWA;
                      44
                      45
                          -- SS6
                      46 V SELECT DISTINCT FIRST_NAME AS NAMA_DEPAN, UTS, UAS
appers
                      47 FROM MAHASISWA;
                      48
                          -- DELETE DATA YANG DITAMBAHKAN
                      49
                      50 - DELETE FROM MAHASISWA
                      51 WHERE ID_MAHASISWA > 6;
                      52
                      53 -- SS7
                      54 - SELECT * FROM MAHASISWA
                      55 WHERE UTS = 93 AND UAS = 97;
urations
                      Data Output Messages Notifications
naries
                      타 🖺 v 📋 v 📋 👼 👲 🕢 SQL
                            id_mahasiswa | first_name | character varying (255)
                                                           last_name
ates
                                                                               integer 🖍
                                                                                       integer 🖍
                                                           character varying (255)
oles
                                     6 PETER
                                                           PARKER
                                                                                    93
d Views
```

NOT

```
rs
                           34 V INSERT INTO MAHASISWA VALUES
                           35 (7, 'TARMIDZI', 'BARIQ', 80, 90),
                                (8,'CHRIS','EVANS',94,91),
(9,'TONY','STARK',95,96),
                           36
1 Wrappers
                           37
                                (10, 'BRUCE', 'WAYNE', 95, 95),
                           38
                           39
                                (11, 'TOM', 'HOLAND', 84, 98),
                           40
                                (12, 'PETER', 'PARKER', 93, 97);
ıs
                           41
                           42
                                -- SS5
                           43 SELECT * FROM MAHASISWA;
                           44
                           45
rs
                           46 - SELECT DISTINCT FIRST_NAME AS NAMA_DEPAN, UTS, UAS
                           47
                                 FROM MAHASISWA:
                           48

    Wrappers

                                -- DELETE DATA YANG DITAMBAHKAN
                           49
                           50 V DELETE FROM MAHASISWA
                           51
                                WHERE ID_MAHASISWA > 6;
                           52
                           53 -- SS7
                           54 - SELECT * FROM MAHASISWA
jates
                           55
                                WHERE UTS = 93 AND UAS = 97;
ons
                           56
ns
                           57
                           58 - SELECT * FROM MAHASISWA
nfigurations
                           59
                                 WHERE NOT UTS = 93;
ctionaries
                           Data Output Messages Notifications
ırsers
mplates
                                า Tables
                                 id_mahasiswa first_name
[PK] integer character varying (255)
                                                                   last_name
                                                                   character varying (255)
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alized Views
                                           1 TARMIDZI
                                                                    BARIQ
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ors
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                                                                                                        91
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                           3
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                                                                                                        96
                           4
                                           4 BRUCE
                                                                    WAYNE
                                                                                              95
                                                                                                        95
(1)
                           5
                                                                   HOLAND
                                           5 TOM
                                                                                              84
                                                                                                        98
ıasiswaw
```

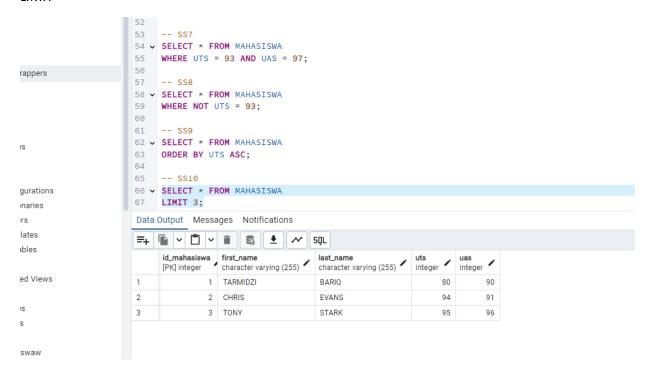
ASC UTS

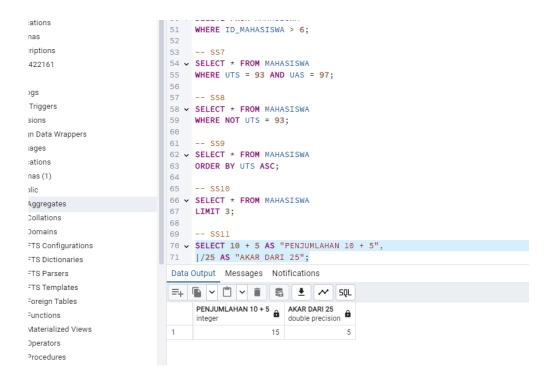
```
42 -- SS5
                          43
                               SELECT * FROM MAHASISWA;
                          44
                          45 -- SS6
                          46 V SELECT DISTINCT FIRST_NAME AS NAMA_DEPAN, UTS, UAS FROM MAHASISWA;
                          49 -- DELETE DATA YANG DITAMBAHKAN
                          50 ▼ DELETE FROM MAHASISWA
                          51 WHERE ID_MAHASISWA > 6;
                          52
Vrappers
                          53 -- SS7
                          54 - SELECT * FROM MAHASISWA
                          55 WHERE UTS = 93 AND UAS = 97:
                          56
                          57 -- SS8
                          58 V SELECT * FROM MAHASISWA
tes
                          59 WHERE NOT UTS = 93;
ıs
                          61 -- SS9
                          62 - SELECT * FROM MAHASISWA
figurations
                          63 ORDER BY UTS ASC;
ionaries
                          Data Output Messages Notifications

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        SQL

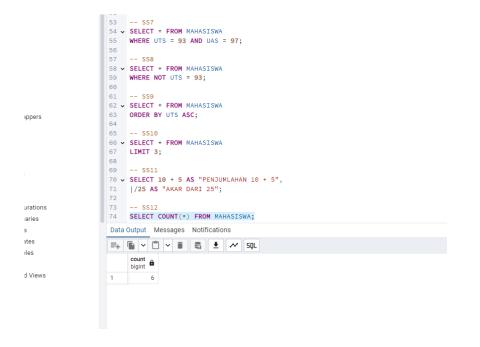
Fables
                                id_mahasiswa | first_name | character varying (255) |
                                                                  last_name
                                                                                                 uas
                                                                  character varying (255)
zed Views
                                         1 TARMIDZI
                                                                                             80
S
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res
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                                                                  PARKER
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es
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                                                                                             94
                                                                                                      91
1)
                                          3 TONY
                                                                  STARK
                                                                                             95
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siswaw
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                                                                                             95
                                                                                                      95
umns (4)
                         Total rows: 6 of 6 Ouery complete 00:00:00 110 In 62 Col 1
```

LIMIT





SELCET COUNT



SUM

```
58 ▼ SELECT * FROM MAHASISWA
ions
                          59 WHERE NOT UTS = 93;
                          60
161
                          61
                               -- SS9
                          62 V SELECT * FROM MAHASISWA
                          63 ORDER BY UTS ASC;
gers
                          64
                          65
                              -- SS10
S
                          66 ∨ SELECT * FROM MAHASISWA
ata Wrappers
                          67 LIMIT 3;
S
                          68
ns
                          69
                               -- SS11
                          70 - SELECT 10 + 5 AS "PENJUMLAHAN 10 + 5",
(1)
                              |/25 AS "AKAR DARI 25";
                          72
egates
                          73
                               -- SS12
ations
                               SELECT COUNT(*) FROM MAHASISWA;
                          74
ıains
                          75
                               -- SS13
Configurations
                          76
                               SELECT SUM(UAS) FROM MAHASISWA;
                          77
Dictionaries
                          Data Output Messages Notifications
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erialized Views
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MAX

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ptions
                              62 V SELECT * FROM MAHASISWA
                                  ORDER BY UTS ASC;
22161
                              64
                                  -- SS10
S
                              66 V SELECT * FROM MAHASISWA
riggers
                                 LIMIT 3;
                              68
ons
                                  -- SS11
Data Wrappers
                              70 - SELECT 10 + 5 AS "PENJUMLAHAN 10 + 5",
ges
                              71
                                  |/25 AS "AKAR DARI 25";
tions
                              72
is (1)
                              73
                                  -- SS12
                              74
                                  SELECT COUNT(*) FROM MAHASISWA;
                              75
jgregates
                              76
                                  -- SS13
ollations
                                  SELECT SUM(UAS) FROM MAHASISWA;
                              77
mains
                              78
                              79
                                   -- SS14
'S Configurations
                                   SELECT MAX(UTS) FROM MAHASISWA;
                              80
'S Dictionaries
'S Parsers
                              Data Output Messages Notifications
'S Templates
                                                           <u>*</u> ~
                                   8
                                                                    SQL
reign Tables
                                    max
                                    integer 🔓
ınctions
aterialized Views
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perators
ocedures
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