HANYA CATATAN

SELECT constraint\_name, constraint\_type, table\_name, status

FROM user\_constraints

order by last\_change desc

ALTER TABLE KEANGGOTAAN

drop CONSTRAINT kgt\_nim\_ik

di tbl skripsi dan buku ditambahkan date biar bs tau kapan buku itu dimasukkan ke database

id di detail\_kunjungan aku hapus krn lupo itu unt apo

**BUAT TABEL FAKULTAS**

CREATE TABLE fakultas

( id\_fakultas NUMBER(2) CONSTRAINT fks\_id\_fakultas\_pk PRIMARY KEY,

nama\_fakultas VARCHAR(50) CONSTRAINT fks\_nama\_fakultas\_nn NOT NULL

)

**BUAT SEQUENCE FAKULTAS**

CREATE SEQUENCE fks\_id\_fakultas\_seq

INCREMENT BY 1

START WITH 1

MAXVALUE 99

NOCACHE

NOCYCLE;

**INSERT FAKULTAS**

INSERT INTO FAKULTAS

VALUES (fks\_id\_fakultas\_seq.NEXTVAL, 'FAKULTAS ILMU KOMPUTER')

**BUAT TABEL JURUSAN**

CREATE TABLE jurusan

( id\_jurusan NUMBER(3) CONSTRAINT jrn\_id\_jurusan\_pk PRIMARY KEY,

nama\_jurusan VARCHAR(100) CONSTRAINT jrn\_nm\_jurusan\_nn NOT NULL,

id\_fakultas NUMBER(2) CONSTRAINT jrn\_id\_fakultas\_nn NOT NULL,

CONSTRAINT jrn\_id\_fakultas\_fk FOREIGN KEY (id\_fakultas)

REFERENCES fakultas(id\_fakultas)

);

**BUAT SEQUENCE ID\_JURUSAN**

CREATE SEQUENCE jrn\_id\_jurusan\_seq

INCREMENT BY 1

MAXVALUE 999

NOCACHE

NOCYCLE

INSERT JURUSAN

INSERT INTO JURUSAN

VALUES (jrn\_id\_jurusan\_seq.NEXTVAL,'SISTEM INFORMASI',1)

**BUAT TABEL MAHASISWA**

CREATE TABLE mahasiswa (

nim NUMBER(6) CONSTRAINT mhs\_nim\_pk PRIMARY KEY,

nama VARCHAR(100) CONSTRAINT mhs\_nama\_nn NOT NULL,

id\_jurusan NUMBER(3) CONSTRAINT mhs\_id\_jrn\_nn NOT NULL,

tgl\_lahir DATE CONSTRAINT mhs\_tgl\_lhr\_nn NOT NULL,

email VARCHAR(100) CONSTRAINT mhs\_email\_nn NOT NULL,

no\_telp VARCHAR(15) CONSTRAINT mhs\_no\_telp\_nn NOT NULL,

alamat VARCHAR(1000) CONSTRAINT mhs\_alamat\_nn NOT NULL,

CONSTRAINT mhs\_email\_chk CHECK(REGEXP\_LIKE(email, '.+@.+\..+')),

CONSTRAINT mhs\_id\_jrn\_fk FOREIGN KEY (id\_jurusan)

REFERENCES jurusan(id\_jurusan)

);

**INSERT MAHASISWA**

INSERT INTO MAHASISWA

VALUES (09021181520007, 'Melani Puspa Sari', 1, TO\_DATE('16-July-1997', 'DD-Mon-yyyy'),

'mela@gmail.com','08999255766','jl peternakan 4 blok g5 rt 43 rw 03'

)

**CREATE TABLE PEGAWAI**

CREATE TABLE pegawai (

nip NUMBER(19) CONSTRAINT pgi\_nip\_pk PRIMARY KEY,

nama VARCHAR(100) CONSTRAINT pgi\_nama\_nn NOT NULL,

tgl\_lahir DATE CONSTRAINT pgi\_tgl\_lhr\_nn NOT NULL,

email VARCHAR(100) CONSTRAINT pgi\_email\_nn NOT NULL,

no\_telp VARCHAR(15) CONSTRAINT pgi\_no\_telp\_nn NOT NULL,

alamat VARCHAR(1000) CONSTRAINT pgi\_alamat\_nn NOT NULL,

id\_atasan NUMBER(19),

type VARCHAR(30),

CONSTRAINT pgi\_email\_chk CHECK(REGEXP\_LIKE(email, '.+@.+\..+')),

CONSTRAINT pgi\_id\_atasan\_fk FOREIGN KEY (id\_atasan)

REFERENCES pegawai(nip)

);

**INSRT PEGAWAI**

INSERT INTO

PEGAWAI(nip, nama, tgl\_lahir, email, no\_telp,alamat, id\_atasan,type)

VALUES (091289042398201, 'Muhammad Nandar', TO\_DATE('12-Nov-1981', 'DD-Mon-yyyy'), 'nandar@perpus.unsri.ac.id','085544778888','jl pahlawan', null, 'Kepala Perpustakaan')

**CREATE TABLE KEANGGOTAAN**

CREATE TABLE KEANGGOTAAN (

id\_keanggotaan NUMBER(9) CONSTRAINT kgt\_id\_kgt\_pk PRIMARY KEY,

nim NUMBER(19) CONSTRAINT kgt\_nim\_nn NOT NULL,

nip NUMBER(19) CONSTRAINT kgt\_nip\_nn NOT NULL,

tanggal DATE DEFAULT SYSDATE CONSTRAINT kgt\_tanggal\_nn NOT NULL,

CONSTRAINT kgt\_id\_nip\_fk FOREIGN KEY (nip)

REFERENCES pegawai(nip),

CONSTRAINT kgt\_id\_nim\_fk FOREIGN KEY (nim)

REFERENCES mahasiswa(nim)

);

**BUAT SEQUENCE**

CREATE SEQUENCE id\_keanggotaan\_seq

INCREMENT BY 1

MAXVALUE 999999

NOCACHE

NOCYCLE;

**INSERT KEANGGOTAAN**

INSERT INTO KEANGGOTAAN(id\_keanggotaan,nim,nip)

VALUES(id\_keanggotaan\_seq.NEXTVAL,9021181520007,91289042398201)

**ADD CONSTRAINT UNIQUE NIM KEANGGOTAAN**

ALTER TABLE KEANGGOTAAN

ADD CONSTRAINT kgt\_nim\_uk UNIQUE(nim)

**CREATE TABLE DOSEN**

CREATE TABLE dosen (

nip NUMBER(19) CONSTRAINT dosen\_nip\_pk PRIMARY KEY,

nama VARCHAR(100) CONSTRAINT dosen\_nama\_nn NOT NULL,

tgl\_lahir DATE CONSTRAINT dosen\_tgl\_lhr\_nn NOT NULL,

email VARCHAR(100) CONSTRAINT dosen\_email\_nn NOT NULL,

no\_telp VARCHAR(15) CONSTRAINT dosen\_no\_telp\_nn NOT NULL,

alamat VARCHAR(1000) CONSTRAINT dosen\_alamat\_nn NOT NULL,

CONSTRAINT dosen\_email\_chk CHECK(REGEXP\_LIKE(email, '.+@.+\..+'))

);

**CREATE TABLE KATEGORI**

CREATE TABLE kategori

( id\_kategori NUMBER(2) CONSTRAINT kti\_id\_kategori\_pk PRIMARY KEY,

nama\_kategori VARCHAR(50) CONSTRAINT kti\_nama\_kategori\_nn NOT NULL

)

CREATE SEQUENCE KATEGORI

create sequence id\_kategori\_seq

increment by 1

maxvalue 999

nocache

nocycle

**CREATE DETAIL KUNJUNGAN (DK)**

CREATE TABLE detail\_kunjungan

(

nim NUMBER(9) CONSTRAINT dkn\_nim\_nn NOT NULL,

tanggal TIMESTAMP DEFAULT SYSDATE CONSTRAINT dkn\_tanggal\_nn NOT NULL,

ket VARCHAR(50),

CONSTRAINT dkn\_nim\_fk FOREIGN KEY (nim) REFERENCES mahasiswa(nim),

CONSTRAINT dkn\_nim\_tanggal\_uk UNIQUE(nim,tanggal)

);

**CREATE DETAIL PEMINJAMAN (DPA)**

CREATE TABLE detail\_peminjaman

( id\_keanggotaan NUMBER(9) CONSTRAINT dpa\_id\_keanggotaan\_nn NOT NULL,

id\_buku NUMBER(19) CONSTRAINT dpa\_id\_buku\_nn NOT NULL,

tgl\_pinjam DATE CONSTRAINT dpa\_tgl\_pinjam\_nn NOT NULL,

CONSTRAINT dpa\_id\_buku\_tgl\_pinjam\_uk PRIMARY KEY (id\_buku,tgl\_pinjam),

CONSTRAINT dpa\_id\_keanggotaan\_fk FOREIGN KEY (id\_keanggotaan) REFERENCES keanggotaan(id\_keanggotaan),

CONSTRAINT dpa\_id\_buku\_fk FOREIGN KEY (id\_buku) REFERENCES buku(id\_buku)

);

**CREATE DETAIL PENGEMBALIAN (DPI)**

CREATE TABLE detail\_pengembalian

( id\_buku NUMBER(19) CONSTRAINT dpi\_id\_buku\_nn NOT NULL,

tgl\_pinjam DATE CONSTRAINT dpi\_tgl\_pinjam\_nn NOT NULL,

nip NUMBER(19) CONSTRAINT dpi\_nip\_pegawai\_nn NOT NULL,

tgl\_kembali DATE DEFAULT SYSDATE CONSTRAINT dpi\_tgl\_kembali\_nn NOT NULL,

denda NUMBER(9),

CONSTRAINT dpi\_tgl\_pinjam\_fk FOREIGN KEY (id\_buku,tgl\_pinjam)

REFERENCES detail\_peminjaman(id\_buku,tgl\_pinjam),

CONSTRAINT dpi\_nip\_pegawai\_fk FOREIGN KEY (nip) REFERENCES pegawai(nip)

);

**SKRIPSI**

CREATE TABLE skripsi (

nim NUMBER(19) CONSTRAINT skripsi\_nim\_pk PRIMARY KEY,

tahun NUMBER(4) CONSTRAINT skripsi\_tahun\_nn NOT NULL,

judul\_skripsi VARCHAR(500) CONSTRAINT skripsi\_jdl\_sri\_nn NOT NULL,

id\_kategori NUMBER(3) CONSTRAINT skripsi\_id\_kategori\_nn NOT NULL,

wrn\_cvr VARCHAR(20) CONSTRAINT skripsi\_wrn\_cvr\_nn NOT NULL,

tanggal DATE DEFAULT SYSDATE CONSTRAINT skripsi\_tgl\_nn NOT NULL,

CONSTRAINT skripsi\_nim\_fk FOREIGN KEY (nim)

REFERENCES mahasiswa(nim),

CONSTRAINT skripsi\_id\_kategori\_fk FOREIGN KEY (id\_kategori)

REFERENCES kategori(id\_kategori)

);

**CREATE DETAIL SKRIPSI(DS)**

CREATE TABLE Detail\_Skripsi

( nim NUMBER(19) CONSTRAINT dsi\_nim\_pk PRIMARY KEY,

nip NUMBER(19) CONSTRAINT dsi\_nip\_nn NOT NULL,

keterangan VARCHAR(500),

CONSTRAINT dsi\_nip\_uk UNIQUE(nip),

CONSTRAINT dsi\_nim\_fk FOREIGN KEY (nim)

REFERENCES skripsi(nim),

CONSTRAINT dsi\_nip\_fk FOREIGN KEY (nip)

REFERENCES dosen(nip)

);

**BUKU**

CREATE TABLE buku (

id\_buku NUMBER(19) CONSTRAINT buku\_id\_buku\_pk PRIMARY KEY,

tahun NUMBER(4) CONSTRAINT buku\_tahun\_nn NOT NULL,

judul VARCHAR(500) CONSTRAINT buku\_judul\_nn NOT NULL,

id\_kategori NUMBER(3) CONSTRAINT buku\_id\_kategori\_nn NOT NULL,

penerbit VARCHAR(100) CONSTRAINT buku\_penerbit\_nn NOT NULL,

penulis VARCHAR(100),

edisi VARCHAR(20),

tanggal DATE DEFAULT SYSDATE CONSTRAINT buku\_tgl\_nn NOT NULL,

CONSTRAINT buku\_id\_kategori\_fk FOREIGN KEY (id\_kategori)

REFERENCES kategori(id\_kategori)

);

select m.nim, m.nama,f.nama\_fakultas, j.nama\_jurusan, m.tgl\_lahir, m.email, m.no\_telp, m.alamat

from mahasiswa m join jurusan j on m.id\_jurusan=j.id\_jurusan

inner join fakultas f on f.id\_fakultas=j.id\_fakultas