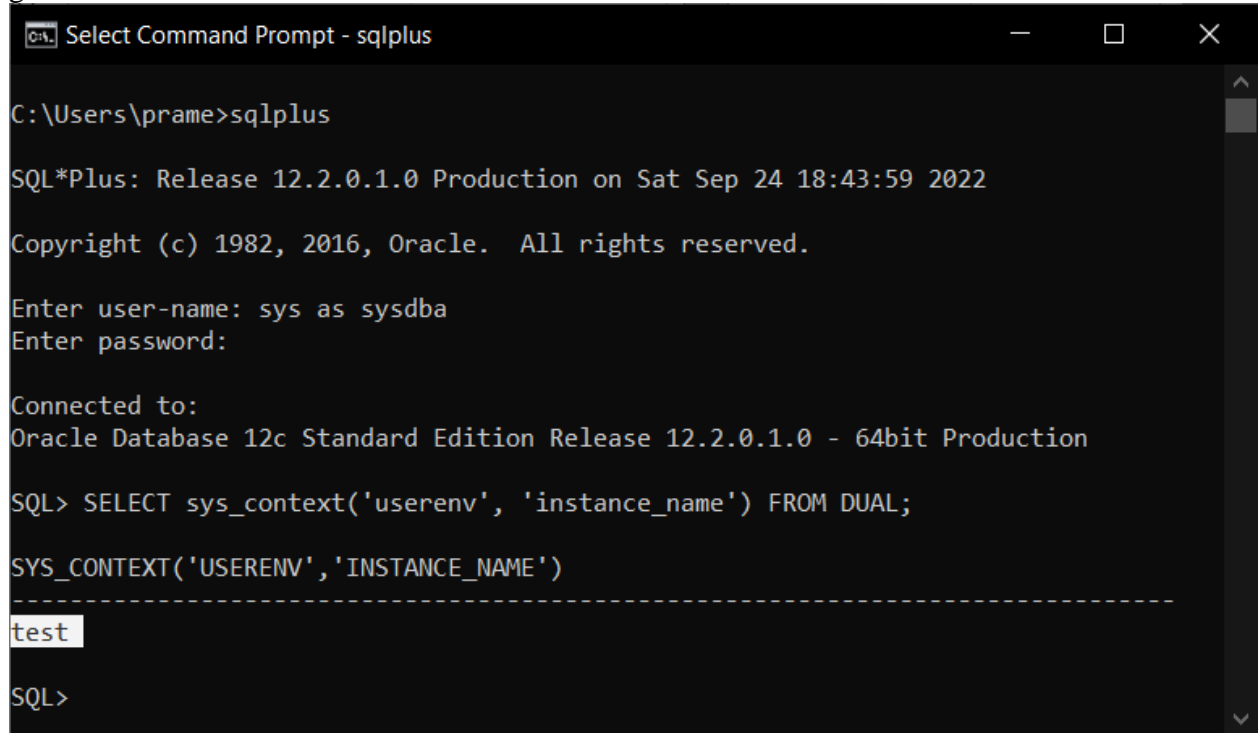# SISTEM DATABASE II
(SDB2-02)

Disusun Oleh:

Prames Ray Lapian - 140810210059

PROGRAM STUDI S-1 TEKNIK INFORMATIKA

FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM

UNIVERSITAS PADJADJARAN

JATINANGOR

2022

1. Create User:
   a. Cek SID anda terlebih dahulu dengan menggunakan Command Prompt seperti gambar dibawah:

   b. Lalu anda harus membuat Connection terlebih dahulu:
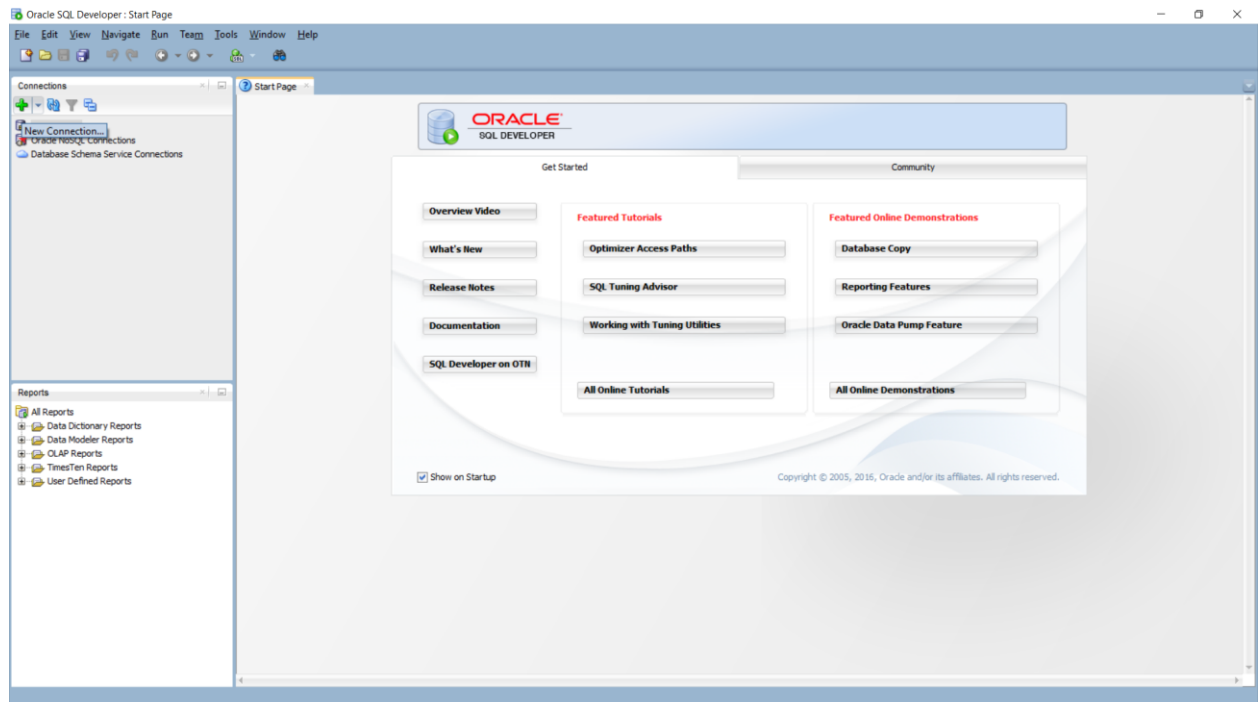
c. Lalu anda bisa langsung membuat User Baru menggunakan nama singkat anda:
SELECT * FROM ALL_USERS;

CREATE USER C##<username> IDENTIFIED BY <password>;
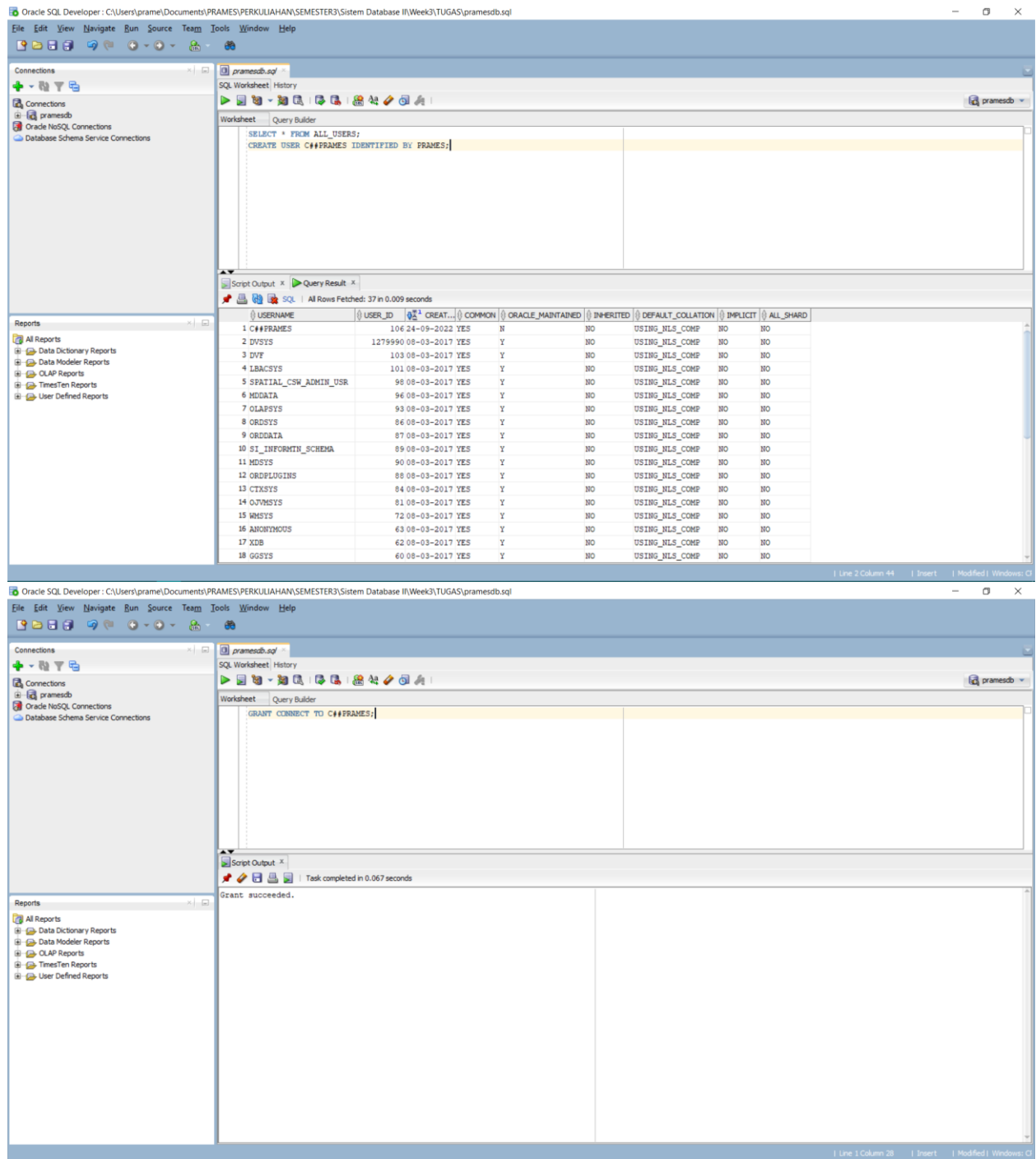
2. Create Table:
    a. Mahasiswa:
        CREATE TABLE Mahasiswa (
          npm VARCHAR(12) NOT NULL PRIMARY KEY,
          nama VARCHAR(30),
          jk CHAR(1),

tpt_lhr VARCHAR(20),
tgl_lhr VARCHAR(18),
alamat VARCHAR(50),
no_hp VARCHAR(13),
dsn_wali VARCHAR(30));
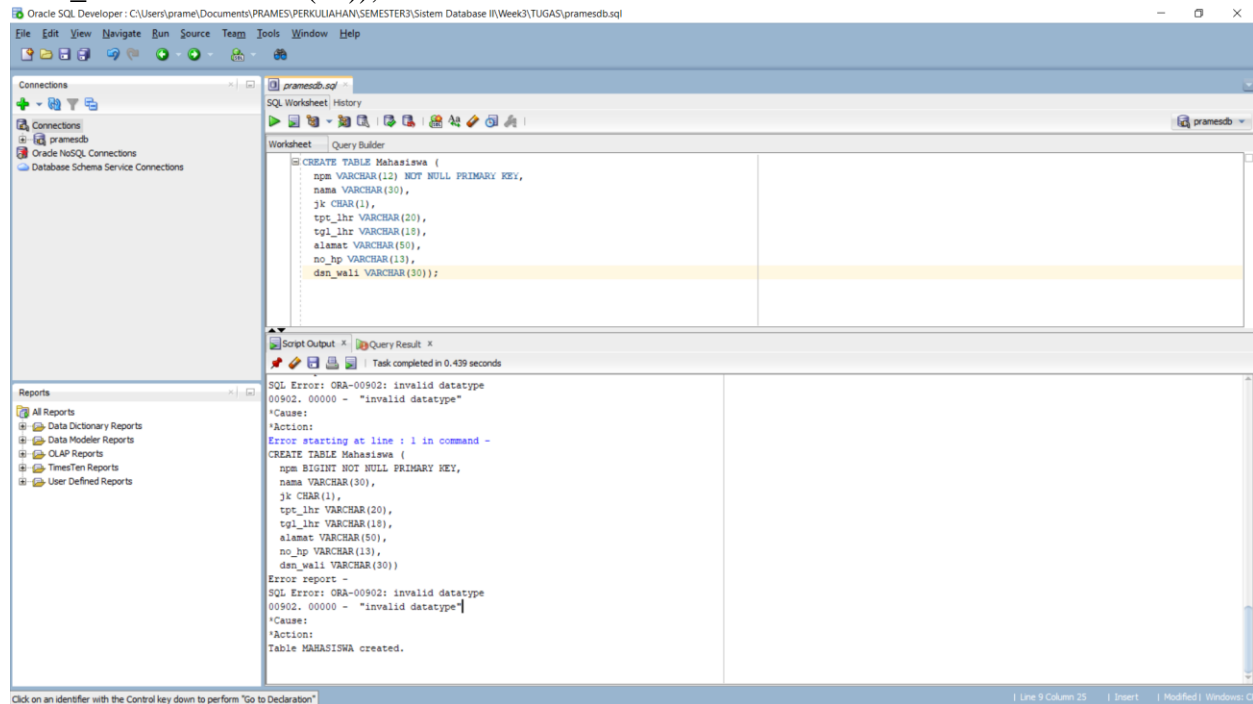
b. Dosen:
CREATE TABLE Dosen (
  sandi_dsn VARCHAR(10) NOT NULL PRIMARY KEY,
  nama VARCHAR(50),
  jk CHAR(1),
  nip VARCHAR(12),
  alamat VARCHAR(50),
  no_hp VARCHAR(13));
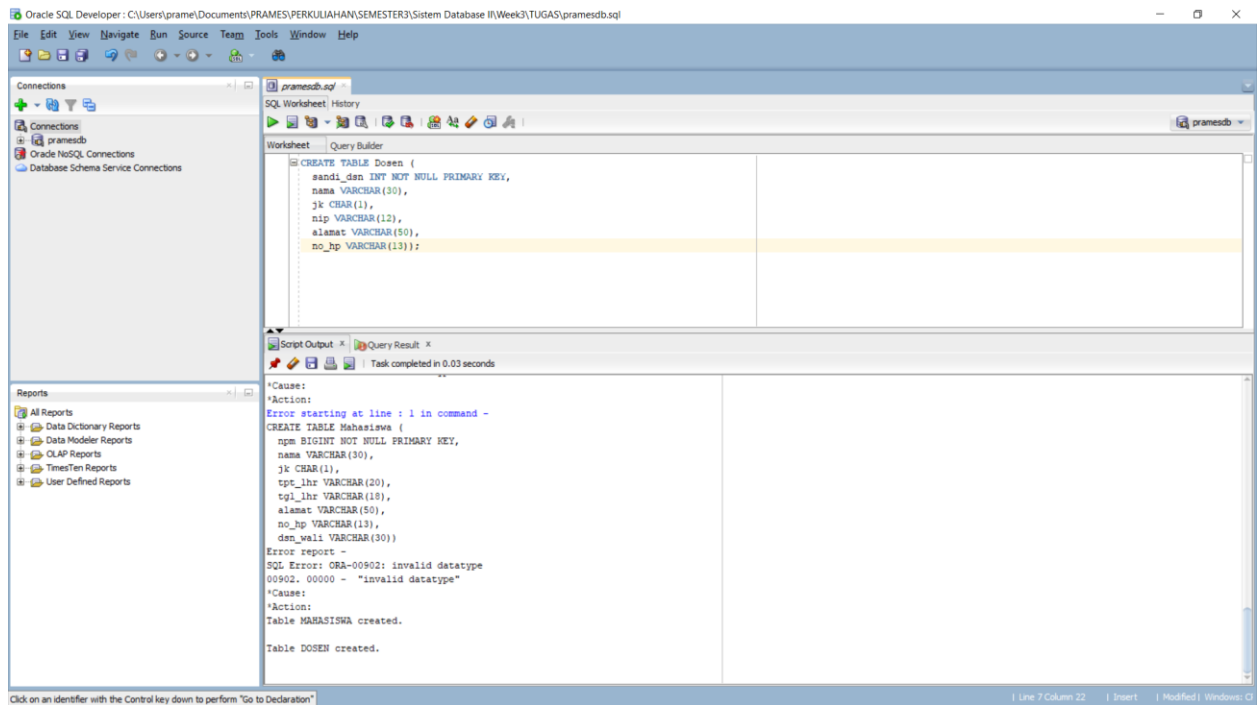
c. Kuliah:
CREATE TABLE Kuliah (
  kd_mk VARCHAR(15) NOT NULL PRIMARY KEY,
  nama_mk VARCHAR(30),
  SKS INT,
  kurikulum VARCHAR(20));
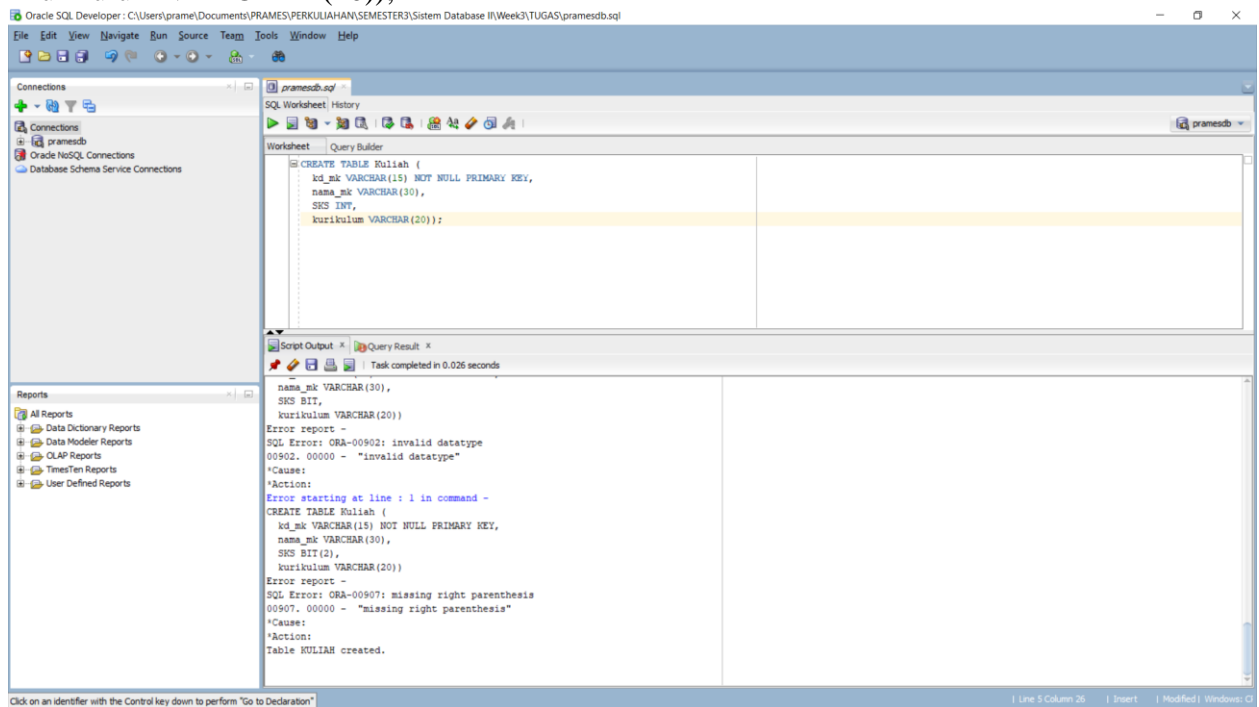
d. Krs:
CREATE TABLE krs (

smt VARCHAR(10)NOT NULL PRIMARY KEY,
npm VARCHAR(12),
kd_mk VARCHAR(15),
nilai FLOAT,
FOREIGN KEY (npm) REFERENCES Mahasiswa(npm),
FOREIGN KEY (kd_mk) REFERENCES Kuliah(kd_mk));
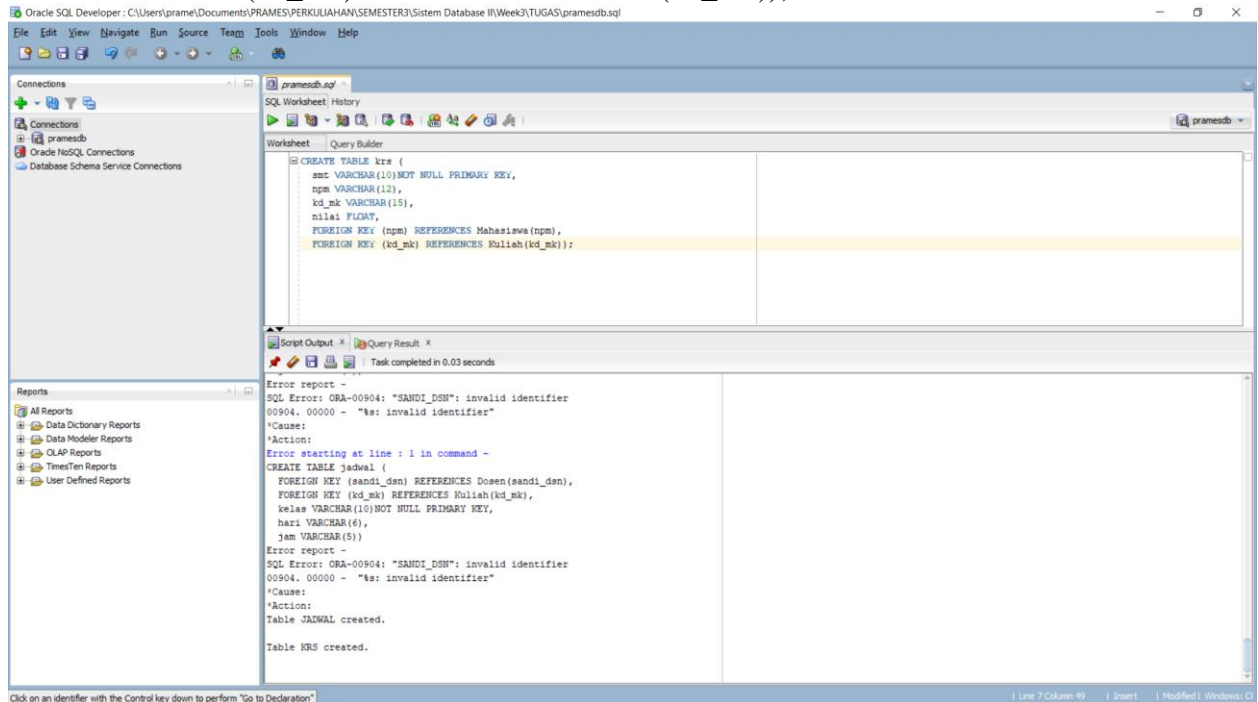
e. Jadwal:
    CREATE TABLE jadwal (
     sandi_dsn VARCHAR(10),
     kd_mk VARCHAR(15),
     kelas VARCHAR(10)NOT NULL PRIMARY KEY,
     hari VARCHAR(6),
     jam VARCHAR(5),
     FOREIGN KEY (sandi_dsn) REFERENCES Dosen(sandi_dsn),
     FOREIGN KEY (kd_mk) REFERENCES Kuliah(kd_mk));
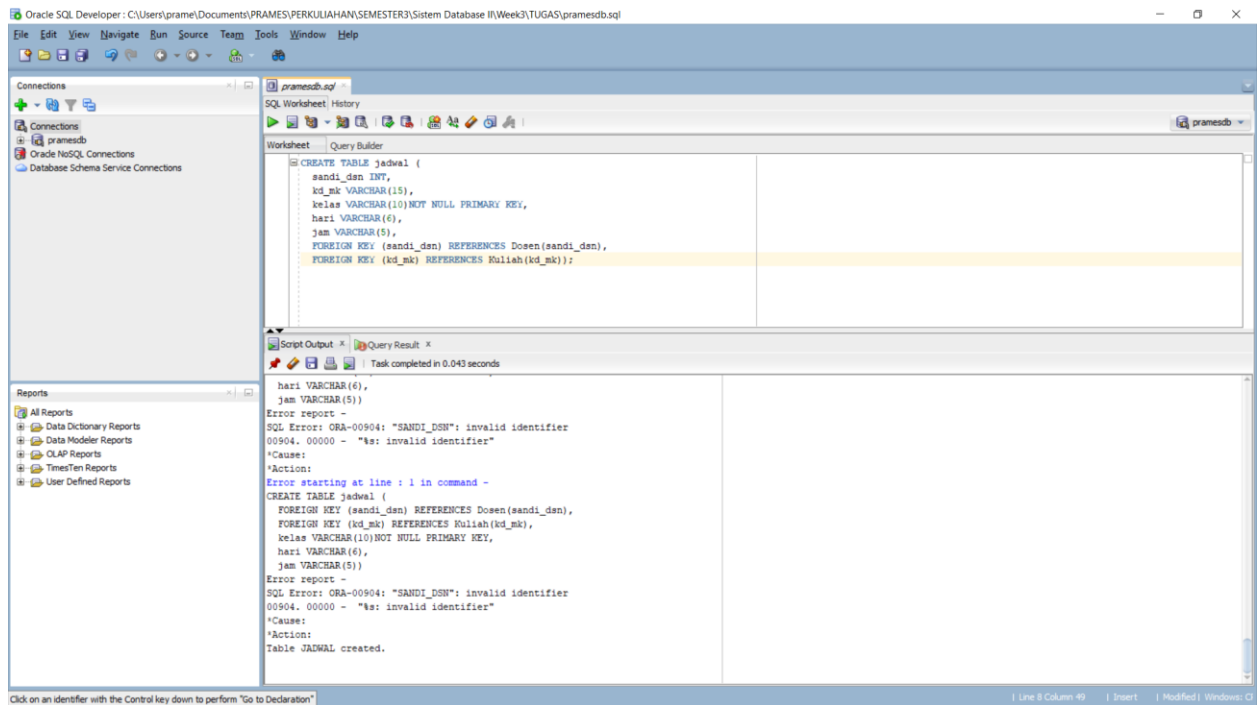
3. Desc Table:
    a. Mahasiswa:
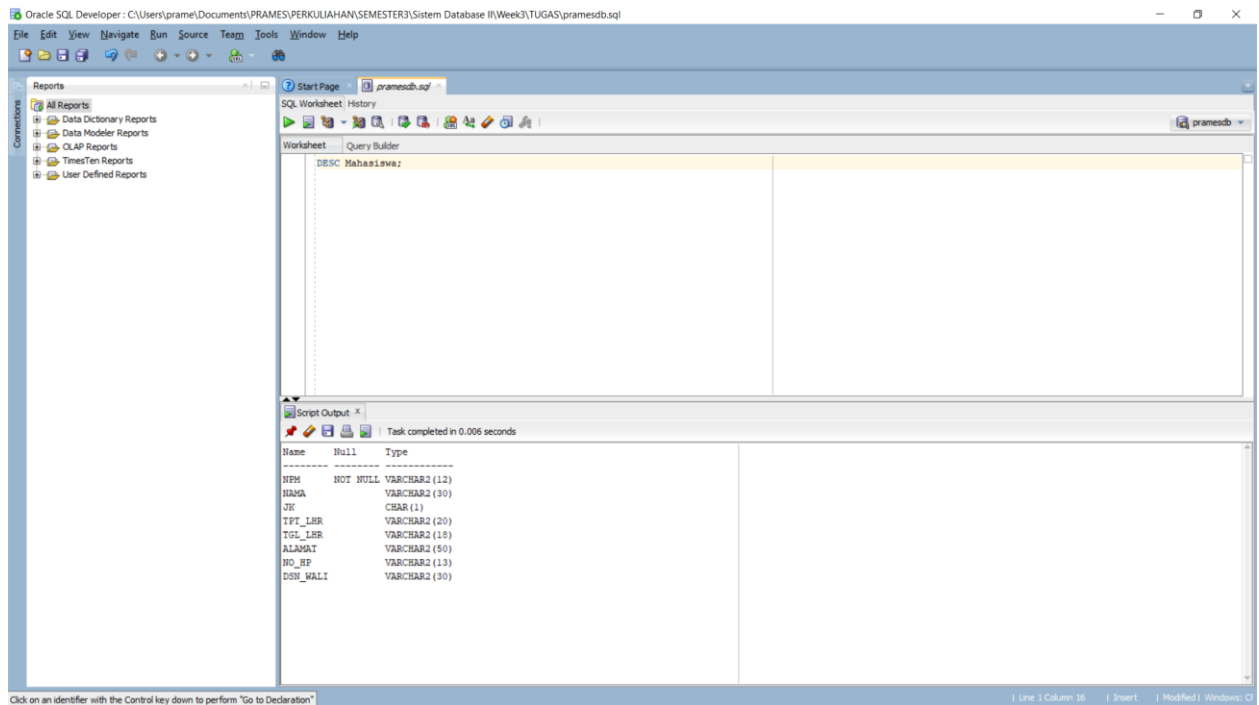
    b. Dosen:
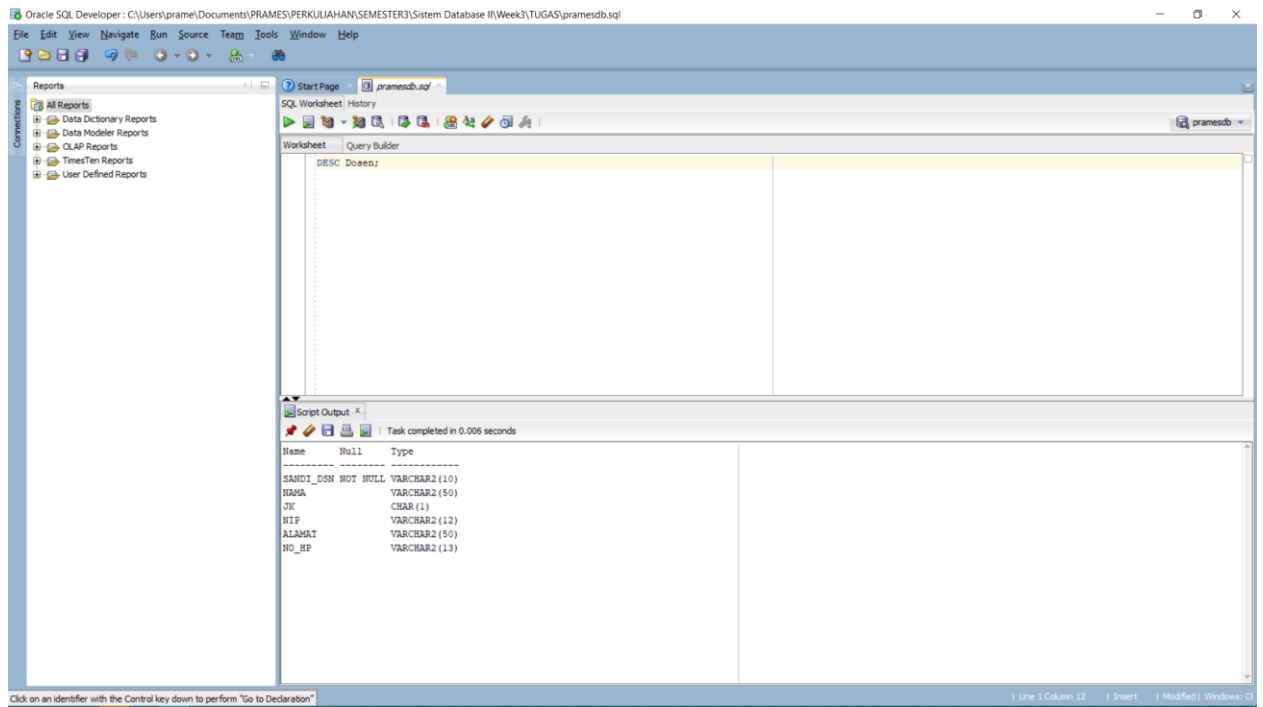
c. Kuliah:
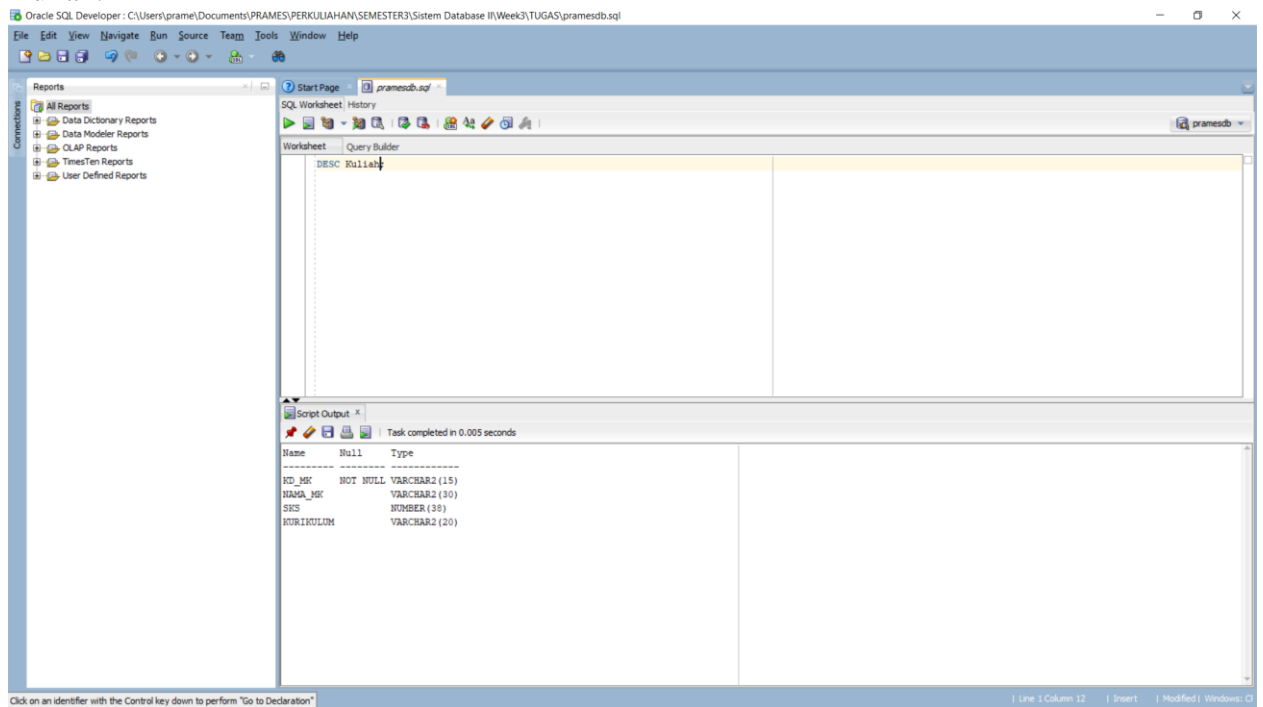
d. Krs:
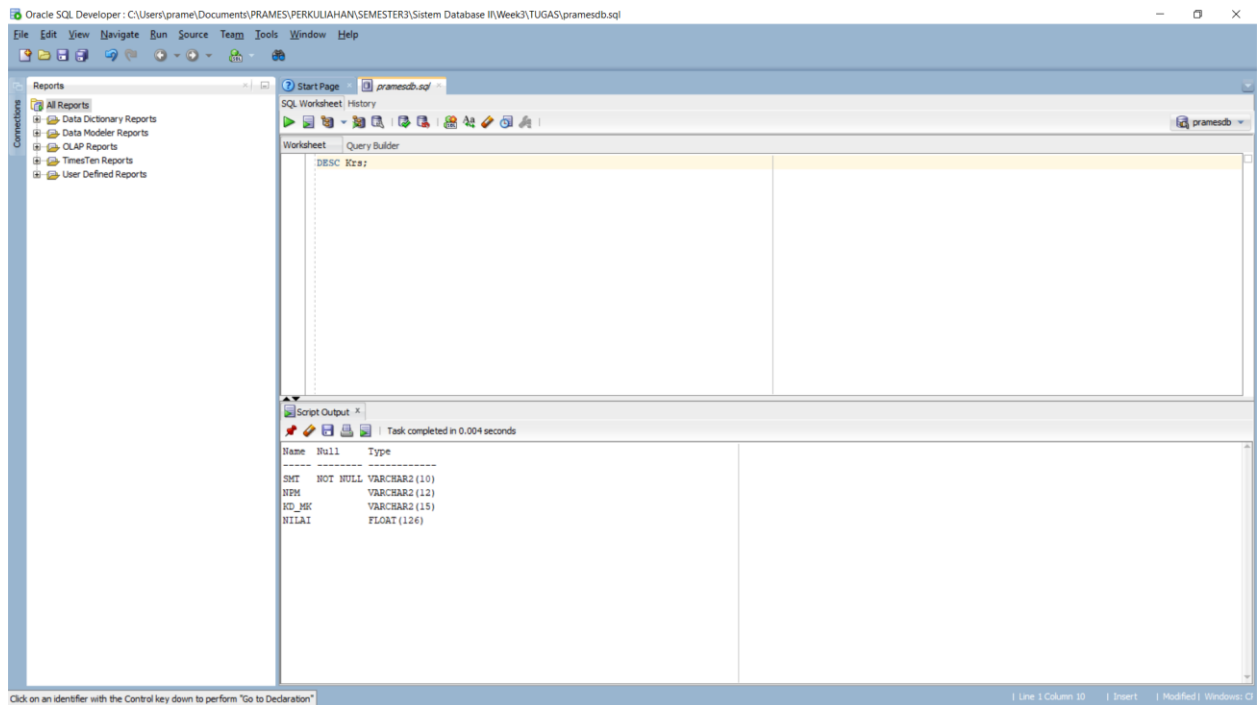
e. Jadwal:
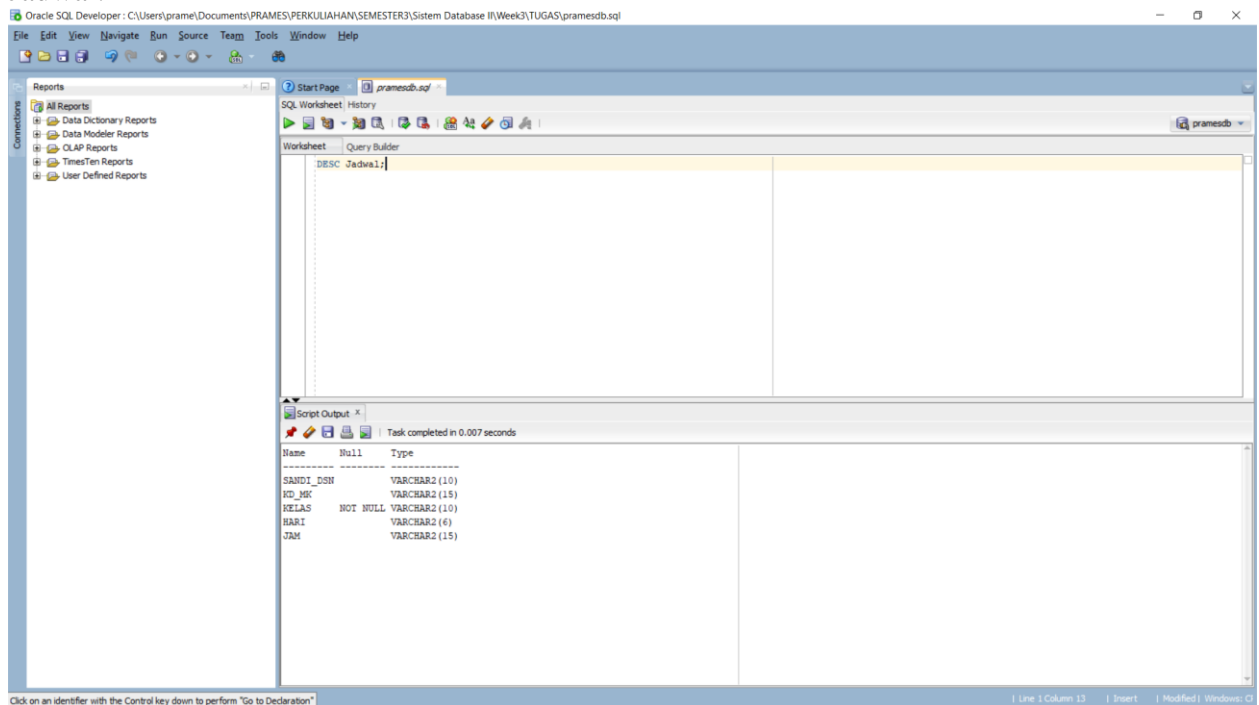
4. Inser Into Table:
   a. Mahasiswa:
      INSERT INTO Mahasiswa
      VALUES ('140810210059',
          'Prames Ray Lapian',
          'L',
          'Jakarta',

'16 Maret 2004',
'Kebon Baru Gg.1 Blok R No.38',
'082299958474',
'Deni Setiana');

SELECT * FROM Mahasiswa;
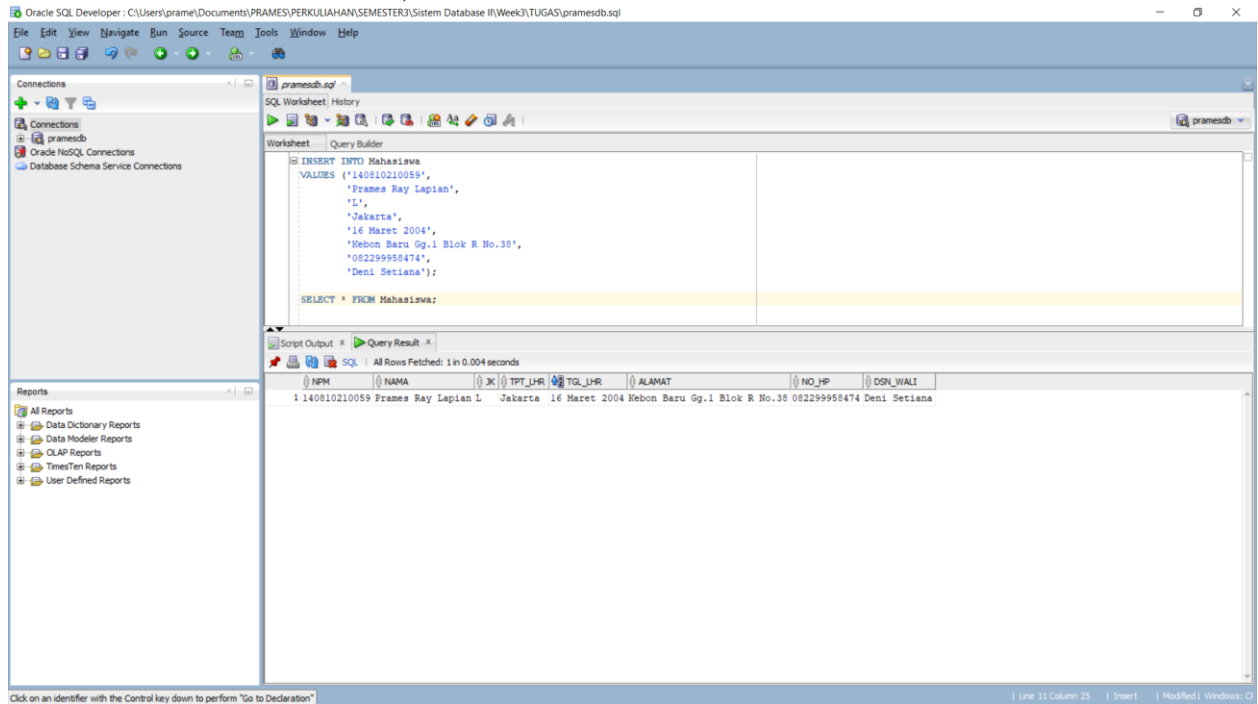
b. Dosen:
INSERT INTO Dosen
VALUES ('D03B10007',
    'Dr. Juli Rejito, M.Kom.',
    'L',
    '19680717 ',
    'Unknown',
    'Unknown');
INSERT INTO Dosen
VALUES ('D03B10009',
    'Deni Setiana, S.Si., M.Cs.',
    'L',
    '19730925',
    'Unkown',
    '08882006926');
INSERT INTO Dosen
VALUES ('D10A10024',
    'Anita Triska, S.Si., M.Si',
    'P',
    '19831228',
    'Unknown',

```sql
        'Unknown');
INSERT INTO Dosen
VALUES ('2D03B10007',
        'Akmal, S.Si., M.T.',
        'L',
        '19700615',
        'Unknown',
        'Unknown');
INSERT INTO Dosen
VALUES ('D03C10003',
        'Akik Hidayat, Drs., M.Kom.',
        'L',
        '19611018',
        'Unknown',
        'Unknown');
INSERT INTO Dosen
VALUES ('D03C10007',
        'Rudi Rosadi, S.Si., M.Kom.',
        'L',
        '19760723',
        'Unknown',
        'Unknown');
INSERT INTO Dosen
VALUES ('D03B10002',
        'R. Sudrajat, Drs., M.Si.',
        'L',
        '19600212',
        'Unknown',
        'Unknown');
INSERT INTO Dosen
VALUES ('-',
        'Rahmatullah Arrizal Pranatadesta',
        'L',
        '-',
        'Unknown',
        'Unknown');
INSERT INTO Dosen
VALUES ('D03B10003',
        'Ino Suryana, Drs., M.Komp.',
        'L',
        '19600115',
        'Unknown',
        'Unknown');

SELECT * FROM Dosen;
```
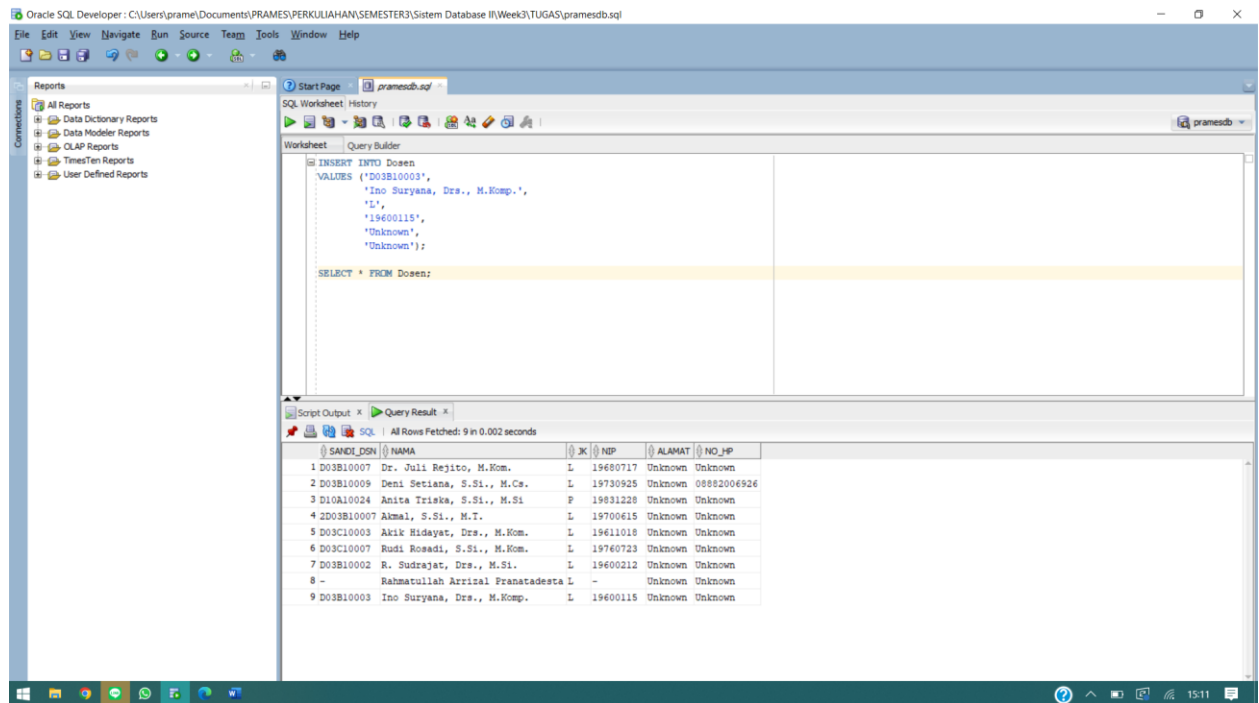
c. Kuliah:
```
INSERT INTO Kuliah
VALUES ('D10K.0400305 ',
    'Sistem Database II',
    '2',
    '2017');
INSERT INTO Kuliah
VALUES ('D10.0400302',
    'Aljabar Linier',
    '3',
    '2017');
INSERT INTO Kuliah
VALUES ('D10K-3003',
    'Pemrograman Web',
    '3',
    '2017');
INSERT INTO Kuliah
VALUES ('D10A.0400304',
    'Matematika Diskrit',
    '3',
    '2017');
INSERT INTO Kuliah
VALUES ('D10K-3002',
    'Pemrograman Berorientasi Objek',
    '3',
    '2017');
INSERT INTO Kuliah
```
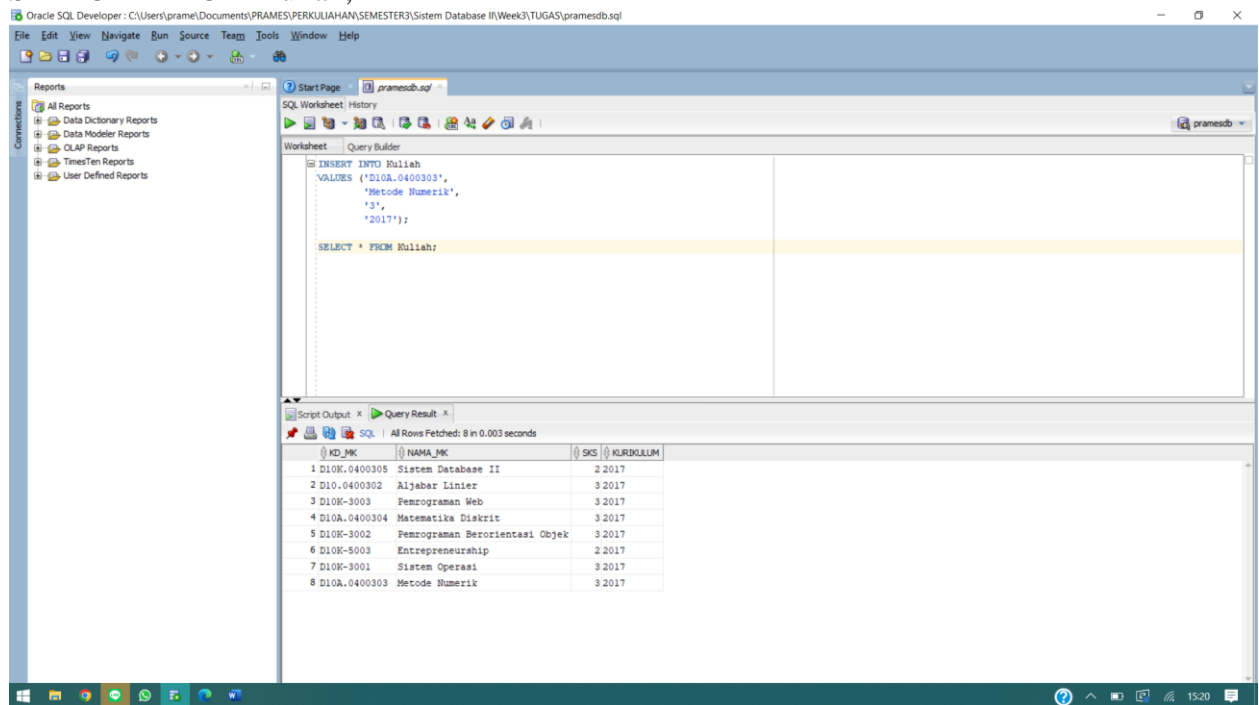
```
VALUES ('D10K-5003',
    'Entrepreneurship',
    '2',
    '2017');
INSERT INTO Kuliah
VALUES ('D10K-3001',
    'Sistem Operasi',
    '3',
    '2017');
INSERT INTO Kuliah
VALUES ('D10A.0400303',
    'Metode Numerik',
    '3',
    '2017');

SELECT * FROM Kuliah;
```


d. Krs:
```
INSERT INTO krs
VALUES ('3',
    '140810210059',
    'D10K.0400305 ',
    0);
INSERT INTO krs
VALUES ('3',
    '140810210059',
    'D10.0400302',
    0);
```

```sql
INSERT INTO krs
VALUES ('3',
    '140810210059',
    'D10K-3003',
    0);
INSERT INTO krs
VALUES ('3',
    '140810210059',
    'D10A.0400304',
    0);
INSERT INTO krs
VALUES ('3',
    '140810210059',
    'D10K-3002',
    0);
INSERT INTO krs
VALUES ('3',
    '140810210059',
    'D10K-5003',
    0);
INSERT INTO krs
VALUES ('3',
    '140810210059',
    'D10K-3001',
    0);
INSERT INTO krs
VALUES ('3',
    '140810210059',
    'D10A.0400303',
    0);
SELECT * FROM krs;
```
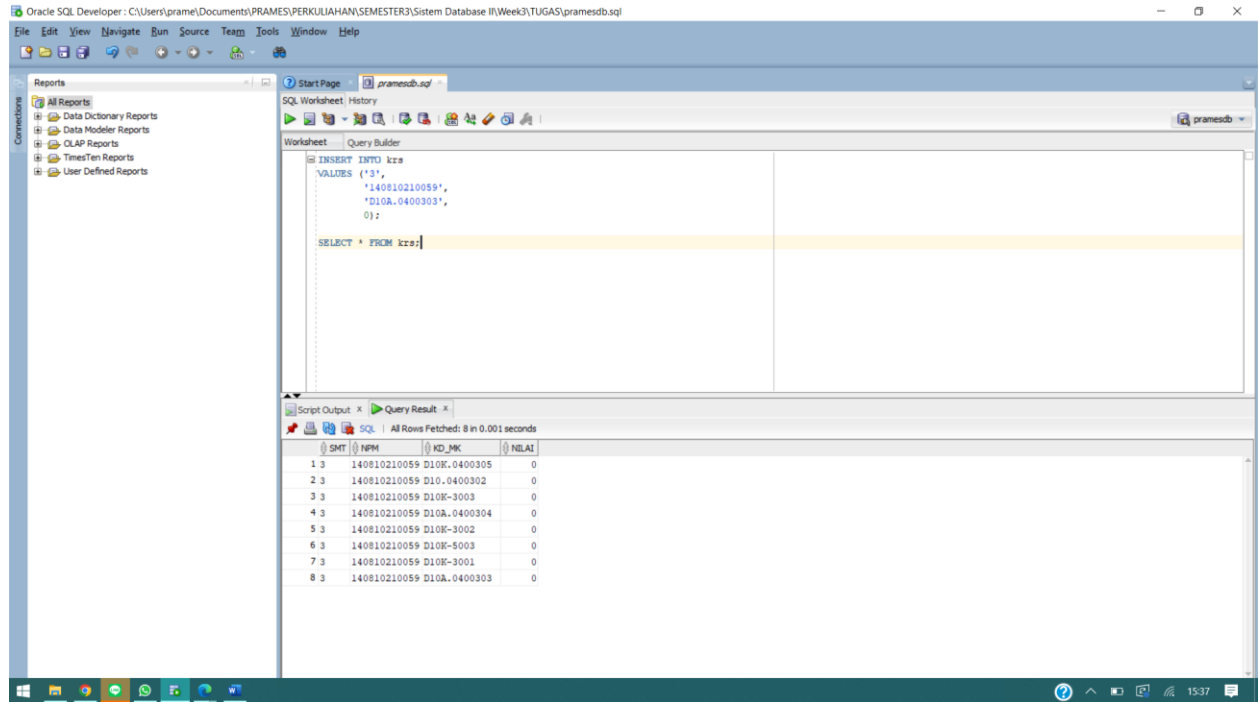
e. Jadwal:
INSERT INTO jadwal
VALUES ('D03B10007',
    'D10K.0400305 ',
    'A',
    'Senin',
    '08.00-09.40');
INSERT INTO jadwal
VALUES ('D10A10024',
    'D10.0400302',
    'A',
    'Senin',
    '13:30 - 16:00');
INSERT INTO jadwal
VALUES ('D03C10007',
    'D10K-3003',
    'A',
    'Selasa',
    '08:00 - 10:30');
INSERT INTO jadwal
VALUES ('D03C10003',
    'D10A.0400304',
    'A',
    'Selasa',
    '13:30 - 16:00');
INSERT INTO jadwal
VALUES ('2D03B10007',

```
    'D10K-3002',
    'A',
    'Kamis',
    '08:00 - 10:30');
INSERT INTO jadwal
VALUES ('D03B10002',
    'D10K-5003',
    'A',
    'Kamis',
    '10:45 - 12:25');
INSERT INTO jadwal
VALUES ('-',
    'D10K-3001',
    'A',
    'Jumat',
    '08:00 - 10:30');
INSERT INTO jadwal
VALUES ('D03B10003',
    'D10A.0400303',
    'A',
    'Jumat',
    '13:00 - 15:30');

SELECT * FROM jadwal;
```