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STORE FUNCTION LANJUTAN

UNIVERSITAS BINA DARMA

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Tabel mahasiswa

no_mhs	nama	alamat	seks	tgl_lahir
9142001	Budi	Palembang	P	1981-10-10
9142002	Yanti	Prabumulih	P	1980-12-12

Tabel mkuliah

kd_mk	nm_kul	sks
T1001	Bahasa Inggris 1	2
P1201	Prak.Pemrograman Dasar	1
T2001	Kalkulus 1	3
T2002	Kalkulus 2	3
T4001	Algoritma dan Pemrograman	3
T3201	Basis Data	3
P2202	Prak Pemrograman Web 2	4

Tabel nilai

no_mhs	kd_mk	nilai
9142001	T1001	A
9142001	P1201	B

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Store Function skor_nilai (membuat transkrip nilai)

```
mysql> delimiter $
mysql> create function skor_nilai(sks int, nilai char(1))
-> returns int
-> begin
-> declare skor int;
-> if nilai = 'A' then set skor = sks * 4;
-> else if nilai = 'B' then set skor = sks * 3;
-> else if nilai = 'C' then set skor = sks * 2;
-> else if nilai = 'D' then set skor = sks * 1;
-> else set skor = 0;
-> end if;
-> end if;
-> end if;
-> end if;
-> return skor;
-> end$
```

Query OK, 0 rows affected (0.24 sec)

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Menampilkan mata kuliah dan nilai

```
mysql> delimiter ;
mysql> select A.no_mhs, A.kd_mk, B.nm_kul,
-> A.nilai, B.sks, skor_nilai(B.sks, A.nilai) as skor
-> from nilai as A, mkuLiah as B
-> where A.kd_mk=B.kd_mk and A.no_mhs='9142001';
```

no_mhs	kd_mk	nm_kul	nilai	sks	skor
9142001	T1001	Bahasa Inggris 1	A	2	8
9142001	P1201	Prak. Pemograman Dasar	B	1	3

2 rows in set (0.00 sec)

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Membuat Create View Tabel untuk Jumlah Nilai

```
mysql> create view jumlah_nilai as
-> select A.no_mhs, A.kd_mk, B.nm_kul,
-> A.nilai, B.sks, skor_nilai(B.sks, A.nilai) as skor
-> from nilai as A, mkuliah as B
-> where A.kd_mk=B.kd_mk and A.no_mhs='9142001';
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> show tables;
```

```
+-----+
| Tables_in_latihan_contoh |
+-----+
| jumlah_nilai              |
| mahasiswa                 |
| mkuliah                   |
| nilai                     |
+-----+
```

```
4 rows in set (0.00 sec)
```

```
mysql> select * from jumlah_nilai;
```

```
+-----+-----+-----+-----+-----+-----+
| no_mhs | kd_mk | nm_kul | nilai | sks | skor |
+-----+-----+-----+-----+-----+-----+
| 9142001 | T1001 | Bahasa Inggris 1 | A | 2 | 8 |
| 9142001 | P1201 | Prak. Pemograman Dasar | B | 1 | 3 |
+-----+-----+-----+-----+-----+-----+
```

```
2 rows in set (0.00 sec)
```


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mencari IPK

```
mysql> select A.no_mhs,
-> sum(skor_nilai(B.sks, A.nilai)) as skor,
-> sum(B.sks) as jum_sks,
-> sum(skor_nilai(B.sks, A.nilai)) / sum(B.sks) as IPK
-> from nilai as A, mkuliah as B
-> where A.kd_mk=B.kd_mk and A.no_mhs = '9142001';
```

no_mhs	skor	jum_sks	IPK
9142001	11	3	3.6667

1 row in set (0.00 sec)