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|  | Mata Kuliah | : Praktikum Sistem Basis Data | | |
| Nama | **: Sultan Mudrika** | | |
| NPM | **: 202143502717** | Kelas | **: R4Y** |
| Tugas | : Ke-1 | | |
| Dosen | : Mercy Hermawati, M.Pd., M.Kom. | | |

1. Buatlah Database Tugas 1!

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| Live CMD | Syntax |
|  | CREATE DATABASE Tugas1;  SHOW DATABASES; |

1. Aktifkan Database

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| Live CMD | Syntax |
|  | Use Tugas1; |

1. Buatlah 3 buah tabel (format tabel ada disoal)!

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| Live CMD | Syntax |
|  | CREATE TABLE mahasiswa(  NPM VARCHAR(12) PRIMARY KEY,  NAMA VARCHAR(50),  ALAMAT VARCHAR(50)  );  INSERT INTO mahasiswa (NPM, Nama, Alamat) VALUES  (201143500439, 'Andi', 'Jakarta'),  (201143500121, 'Desi', 'Bekasi'),  (201143500234, 'Endah', 'Depok'),  (201143500165, 'Firdaus', 'Jakarta'),  (201143500228, 'Gandi', 'Depok'),  (201143500326, 'Hilda', 'Bogor');  CREATE TABLE Matakuliah(  KD\_MK VARCHAR(5) PRIMARY KEY,  Nama\_MK VARCHAR(50),  SKS INT(1)  );  INSERT INTO Matakuliah (KD\_MK, Nama\_MK, SKS) VALUES  ('KK021', 'Sistem Basis Data', 2),  ('KD123', 'Interaksi Manusia Komputer', 3),  ('KU122', 'Ilmu Budaya Dasar', 2);  CREATE TABLE Nilai(  NPM VARCHAR(12),  KD\_MK VARCHAR(5),  UTS INT(3),  UAS INT(3)  );  INSERT INTO Nilai (NPM, KD\_MK, UTS, UAS) VALUES  (201143500439, 'KK021', 60, 75),  (201143500121, 'KD123', 70, 90),  (201143500234, 'KK021', 50, 40),  (201143500165, 'KU122', 90, 80),  (201143500228, 'KU122', 75, 75),  (201143500326, 'KD123', 80, 0),  (201143500439, 'KD123', 40, 30); |

1. Tampilkan seluruh Database!

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| Live CMD | Syntax |
|  | SHOW DATABASES; |

1. Tampilkan seluruh Tabel!

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| Live CMD | Syntax |
|  | SELECT \* FROM Mahasiswa;  SELECT \* FROM Matakuliah;  SELECT \* FROM Nilai; |

1. Tampilkan struktur Tabel Matakuliah!

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| Live CMD | Syntax |
|  | DESC Matakuliah; |

1. Hapus Tabel Matakuliah

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| Live CMD | Syntax |
|  | DROP TABLE Matakuliah;  SHOW TABLES; |

1. Buat Tabel Matakuliah

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| --- | --- |
| Live CMD | Syntax |
|  | CREATE TABLE Matakuliah(  KD\_MK VARCHAR(5) PRIMARY KEY,  Nama\_MK VARCHAR(50),  SKS INT(1)  );  SHOW TABLES; |

1. Ganti Tabel Matakuliah dengan MT\_Kuliah

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| Live CMD | Syntax |
|  | ALTER TABLE Matakuliah RENAME TO MT\_Kuliah;  SHOW TABLES; |

1. Ganti nama Field Nama\_MK dengan NM\_MK dan Panjang Field 30

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| Live CMD | Syntax |
|  | ALTER TABLE MT\_Kuliah CHANGE Nama\_MK NM\_MK VARCHAR(30);  SHOW TABLES; |

1. Tambahkan kolom Tgl\_lahir pada Tabel Mahasiswa

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| Live CMD | Syntax |
|  | ALTER TABLE Mahasiswa  ADD COLUMN Tgl\_lahir DATE;  DESC Mahasiswa; |

1. Hapus kolom Tgl\_lahir

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| --- | --- |
| Live CMD | Syntax |
|  | ALTER TABLE Mahasiswa  DROP COLUMN Tgl\_lahir;  DESC Mahasiswa; |

1. Tambahkan kolom Tgl\_lahir pada Tabel Mahasiswa pada awal Field

|  |  |
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| Live CMD | Syntax |
|  | ALTER TABLE Mahasiswa  ADD COLUMN Tgl\_lahir DATE FIRST;  DESC Mahasiswa; |

1. Hapus kolom Tgl\_lahir

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| --- | --- |
| Live CMD | Syntax |
|  | ALTER TABLE Mahasiswa  DROP COLUMN Tgl\_lahir;  DESC Mahasiswa; |

1. Tambahkan kolom Tgl\_lahir pada Tabel Mahasiswa setelah kolom Nama

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| --- | --- |
| Live CMD | Syntax |
|  | ALTER TABLE Mahasiswa ADD COLUMN Tgl\_lahir DATE AFTER NAMA;  DESC Mahasiswa; |