SQL

CREATE TABLE `database`.`tablename`(

sutunlar, kolonlar, columns, attributes

);

CREATE TABLE `**code**`.`students` (

**`id`** INT NOT NULL **AUTO\_INCREMENT**,

`name` VARCHAR(45) NOT NULL,

**PRIMARY KEY (`id`)**);

VARCHAR(45) = Variable Number of characters = from 0 to 45

Database, bize, 45 KARAKTER REZERV ediyor

NOT NULL = BOS OLMAYACAK, MUTLAKA VERI OLACAK (null, empty KABUL ETMIYOR)

**PRIMARY KEY = birincil ANAHTAR = id**

**Bir tabloda EN FAZLA 1 tane PRIMARY KEY olabilir!!!!!**

**NICE TO HAVE A PRIMARY KEY (id, auto\_increment)**

1 – Mutlaka her tablo da bir tane PRIMARY KEY (primary key is the selected KEY)

KEY: is one or a list of columns which uniquely identifies each ROW

Nefer Kimlik Numeresi: BC203943

Registration Plate

99 CV 2394 [fixed length – sabit uzunluk]

Ehliyet = Driving Licence Number

KL0043954 sabit uzunluk

CREATE TABLE `Nefer` (

`id` int NOT NULL AUTO\_INCREMENT,

`FIN` char(7) NOT NULL,

`firstname` varchar(50) NOT NULL,

`lastname` varchar(50) NOT NULL,

`fathername` varchar(50) NOT NULL,

`gender` enum('M','F') NOT NULL,

`birthdate` date NOT NULL,

`address` varchar(150) DEFAULT NULL,

`cityid` int DEFAULT NULL,

`emailaddress` varchar(30) DEFAULT NULL,

`phonenumber` varchar(15) DEFAULT NULL,

`maritialstatus` enum('married','single','divorced') DEFAULT NULL,

`militarystatus` enum('completed','not completed') DEFAULT NULL,

`bloodtype` enum('A','B','AB','0') DEFAULT NULL,

`createdate` timestamp NULL DEFAULT CURRENT\_TIMESTAMP,

`d` decimal(10,0) DEFAULT NULL,

PRIMARY KEY (`id`),

UNIQUE KEY `FIN` (`FIN`),

UNIQUE KEY `phonenumber` (`phonenumber`)

) ENGINE=InnoDB AUTO\_INCREMENT=1035 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci;

a: str = "emre"

MEMORY

variables are stored in memory

memory is FAST, so we do not need to define how many BYTES / CHARACTERS we need

tinyint = 1 byte = 0-255

int = 4 byte = -2.5 milyar +2.5 milyar

short (smallint) = 2 byte = -32768 ile + 32767

(Neferin yasi, boyu, kilosu, cocuk sayisi, kac yildir calisiyor, kac farkli is degistirdi)