

# ALL SQL Implementation

```
CREATE DATABASE assignment1_2121913642;
```

```
CREATE TABLE Teacher(T_id INT NOT NULL,  
                      Name VARCHAR(255),  
                      DOB DATE,  
                      Street VARCHAR(255),  
                      City VARCHAR(255),  
                      Designation VARCHAR(255),  
                      Total_salary DECIMAL(6,2),  
                      PRIMARY KEY (T_id)  
                      );
```

```
CREATE TABLE Course(Course_id INT NOT NULL,  
                    Title VARCHAR(255),  
                    Credit_hour INT,  
                    PRIMARY KEY (Course_id)  
                    );
```

```
CREATE TABLE Teaches(T_id INT NOT NULL,  
                    Course_id INT NOT NULL,  
                    Semester VARCHAR(255),  
                    Year_Teaching YEAR,  
                    Remuneration DECIMAL(4,2),  
                    Section INT,  
                    Number_students INT,  
                    Course_fee DECIMAL(4,2),  
                    PRIMARY KEY (T_id, Course_id, Semester, Year_Teaching),  
                    FOREIGN KEY (T_id) REFERENCES teacher(T_id),  
                    FOREIGN KEY (Course_id) REFERENCES course(Course_id)  
                    );
```

```
CREATE TABLE Mother(M_BRN INT NOT NULL,  
                    Name VARCHAR(255),  
                    Number_sons INT,  
                    NUmber_daughters INT,  
                    Total_child INT,  
                    DOB DATE,  
                    Profession VARCHAR(255),  
                    Income DECIMAL(7,2),  
                    PRIMARY KEY (M_BRN)  
                    );
```

```
CREATE TABLE Child(C_BRN INT NOT NULL,  
                    Name VARCHAR(255),  
                    DOB DATE,  
                    BirthTime_height DECIMAL(5,2),  
                    BirthTime_weight DECIMAL(5,2),  
                    Gender CHAR(5),  
                    M_BRN INT NOT NULL,  
                    PRIMARY KEY (C_BRN),  
                    FOREIGN KEY (M_BRN) REFERENCES mother(M_BRN)  
                    );
```

```
CREATE TABLE Apartment(Apart_id INT NOT NULL,  
                        Size INT,  
                        Building_name VARCHAR(255),  
                        TotalFloor_num INT,  
                        Location VARCHAR(255),  
                        Price VARCHAR(255),  
                        PRIMARY KEY (Apart_id)  
                        );
```

```
CREATE TABLE Person(NID INT NOT NULL,  
                     Name VARCHAR(255),  
                     Gender CHARACTER(5),  
                     DOB DATE,  
                     Profession VARCHAR(255),  
                     Income DECIMAL(7,2),  
                     Street VARCHAR(255),  
                     City VARCHAR(255),  
                     Birth_registration INT,  
                     Apart_id INT,  
                     PRIMARY KEY (NID),  
                     FOREIGN KEY (Apart_id) REFERENCES apartment(Apart_id)  
                     );
```