**SQL Report(Lab 7)**

**ID : 220042146**

***Code to Create the Tables :***

*-- Create table for Research Group*

CREATE TABLE Research\_Group (

    Group\_Name VARCHAR(100) PRIMARY KEY,

    Dedicated\_Lab VARCHAR(100),

    Budget DECIMAL(10, 2),

    Group\_Head VARCHAR(100)

);

*-- Create table for Faculty*

CREATE TABLE Faculty (

    Faculty\_ID INT PRIMARY KEY,

    Name VARCHAR(100),

    Contact\_Number VARCHAR(15),

    Group\_Name VARCHAR(100),

    FOREIGN KEY (Group\_Name) REFERENCES Research\_Group(Group\_Name)

);

*-- Create table for Student*

CREATE TABLE Student (

    Student\_ID INT PRIMARY KEY,

    Name VARCHAR(100),

    Contact\_Number VARCHAR(15),

    Group\_Name VARCHAR(100),

    Supervisor INT,

    FOREIGN KEY (Group\_Name) REFERENCES Research\_Group(Group\_Name),

    FOREIGN KEY (Supervisor) REFERENCES Faculty(Faculty\_ID)

);

*-- Create table for Project*

CREATE TABLE Project (

    Project\_Title VARCHAR(100) PRIMARY KEY,

    Start\_Date DATE,

    Estimated\_End\_Date DATE,

    Research\_Domain VARCHAR(100),

    Supervisor INT,

    FOREIGN KEY (Supervisor) REFERENCES Faculty(Faculty\_ID)

);

*-- Create table for Publications*

CREATE TABLE Publication (

    Paper\_Title VARCHAR(100) PRIMARY KEY,

    Conference\_Name VARCHAR(100),

    Publication\_Date DATE,

    Research\_Domain VARCHAR(100),

    Summary TEXT,

    Group\_Name VARCHAR(100),

    FOREIGN KEY (Group\_Name) REFERENCES Research\_Group(Group\_Name)

);