**Assignment 1 – DDL, DML, Integrity Constraints**

**Assignment Tasks**

**1. Create the following tables:**

**students table:**

| **Column Name** | **Data Type** |
| --- | --- |
| student\_id | INT (PK) |
| name | VARCHAR(50) |
| class\_id | INT (FK) |

**Solution:**

**classes table:**

| **Column Name** | **Data Type** |
| --- | --- |
| class\_id | INT (PK) |
| class\_name | VARCHAR(50) |

**Solution:**

**marks table:**

| **Column Name** | **Data Type** |
| --- | --- |
| mark\_id | INT (PK) |
| student\_id | INT (FK) |
| subject | VARCHAR(50) |
| score | INT |

Solution:

**Insert Sample Data**

**classes**

INSERT INTO classes VALUES (1, 'Science'), (2, 'Arts');

**students**

INSERT INTO students VALUES (101, 'Alice', 1), (102, 'Bob', 2), (103, 'Charlie', 1);

**marks**

INSERT INTO marks VALUES

(1, 101, 'Math', 88),

(2, 101, 'Physics', 90),

(3, 102, 'History', 75),

(4, 103, 'Math', 70);