**Student Information System (SIS)**

**Tasks 2: Select, Where, Between, AND, LIKE:**

**1. Write an SQL query to insert a new student into the "Students" table with the following details:**

**a. First Name: John b. Last Name: Doe c. Date of Birth: 1995-08-15 d. Email: john.doe@example.com e. Phone Number: 1234567890**

Insert into Students values(‘John’,’Doe’,’1995-08-15’,’[john.doe@example.com](mailto:john.doe@example.com)’,1234567890);

**2. Write an SQL query to enroll a student in a course. Choose an existing student and course and insert a record into the "Enrollments" table with the enrollment date.**

Insert into Enrollments (enrollment\_id, student\_id, course\_id, enrollment\_date) values

(301, 101, 201, '2024-01-15'),

**3. Update the email address of a specific teacher in the "Teacher" table. Choose any teacher and modify their email address.**

update teacher set email ='johnson.alice@example.com' where teacher\_id=1;

**4. Write an SQL query to delete a specific enrollment record from the "Enrollments" table. Select an enrollment record based on the student and course.**

Delete from enrollments where student\_id = 102 and course\_id = 5;

**5. Update the "Courses" table to assign a specific teacher to a course. Choose any course and teacher from the respective tables**

update courses set teacher\_id=3 where course\_name='Chemistry';

**6. Delete a specific student from the "Students" table and remove all their enrollment records from the "Enrollments" table. Be sure to maintain referential integrity**

mysql> Delete from students where student\_id=101;

mysql> select\*from students;

+------------+------------+-----------+---------------+---------------------------+--------------+

| student\_id | first\_name | last\_name | date\_of\_birth | email | phone\_number |

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| 102 | Jane | Smith | 2001-07-15 | jane.smith@example.com | 8765432109 |

| 103 | Michael | Brown | 2002-09-20 | michael.brown@example.com | 7654321098 |

| 104 | Emily | Davis | 2000-12-05 | emily.davis@example.com | 6543210987 |

| 105 | David | Wilson | 2001-03-18 | david.wilson@example.com | 5432109876 |

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4 rows in set (0.00 sec)

mysql> select\*from enrollments;

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| enrollment\_id | student\_id | course\_id | enrollment\_date |

+---------------+------------+-----------+-----------------+

| 302 | 102 | 202 | 2024-01-16 |

| 303 | 103 | 203 | 2024-01-17 |

| 304 | 104 | 204 | 2024-01-18 |

| 305 | 105 | 205 | 2024-01-19 |

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**7. Update the payment amount for a specific payment record in the "Payments" table. Choose any payment record and modify the payment amount.**

update payments set amount=4000 where payment\_id = 402;