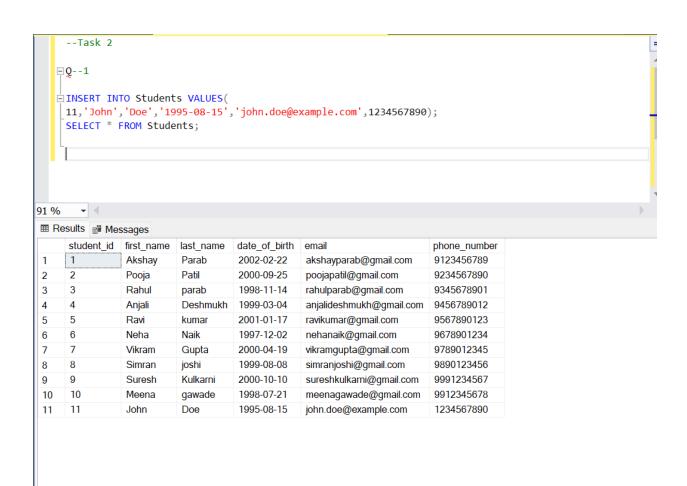Task 2

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

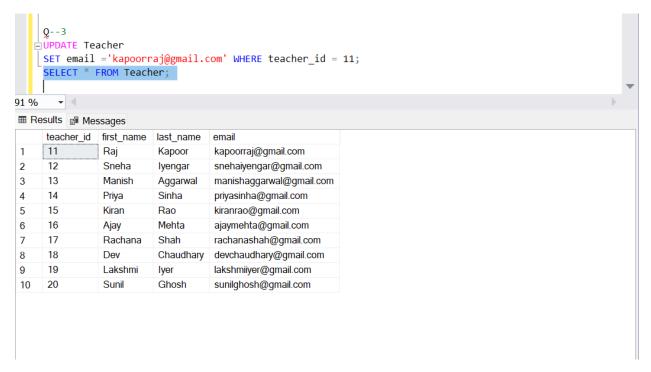c. Date of Birth: 1995-08-15

d. Email: john.doe@example.com

e. Phone Number: 1234567890

```sql
--Task 2

Q--1

INSERT INTO Students VALUES(
11,'John','Doe','1995-08-15','john.doe@example.com',1234567890);
SELECT * FROM Students;
```

91 %

Results   Messages

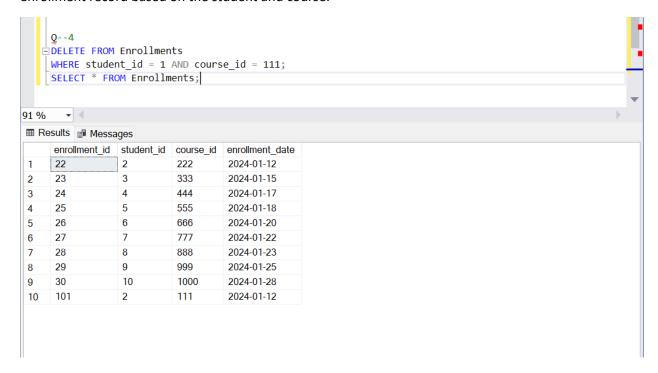|	student_id	first_name	last_name	date_of_birth	email	phone_number
1	1	Akshay	Parab	2002-02-22	akshayparab@gmail.com	9123456789
2	2	Pooja	Patil	2000-09-25	poojapatil@gmail.com	9234567890
3	3	Rahul	parab	1998-11-14	rahulparab@gmail.com	9345678901
4	4	Anjali	Deshmukh	1999-03-04	anjalideshmukh@gmail.com	9456789012
5	5	Ravi	kumar	2001-01-17	ravikumar@gmail.com	9567890123
6	6	Neha	Naik	1997-12-02	nehanaik@gmail.com	9678901234
7	7	Vikram	Gupta	2000-04-19	vikramgupta@gmail.com	9789012345
8	8	Simran	joshi	1999-08-08	simranjoshi@gmail.com	9890123456
9	9	Suresh	Kulkarni	2000-10-10	sureshkulkarni@gmail.com	9991234567
10	10	Meena	gawade	1998-07-21	meenagawade@gmail.com	9912345678
11	11	John	Doe	1995-08-15	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.

```
Q--2
INSERT INTO Enrollments VALUES(
101,2,111,'2024-01-12');
SELECT * FROM Enrollments;
```

Results ▦ Messages

enrollment_id	student_id	course_id	enrollment_date
21	1	111	2024-01-10
22	2	222	2024-01-12
23	3	333	2024-01-15
24	4	444	2024-01-17
25	5	555	2024-01-18
26	6	666	2024-01-20
27	7	777	2024-01-22
28	8	888	2024-01-23
29	9	999	2024-01-25
30	10	1000	2024-01-28
101	2	111	2024-01-12

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

```
Q--3
UPDATE Teacher
SET email ='kapoorraj@gmail.com' WHERE teacher_id = 11;
SELECT * FROM Teacher;
```

91 %

▦ Results ▦ Messages

	teacher_id	first_name	last_name	email
1	11	Raj	Kapoor	kapoorraj@gmail.com
2	12	Sneha	Iyengar	snehaiyengar@gmail.com
3	13	Manish	Aggarwal	manishaggarwal@gmail.com
4	14	Priya	Sinha	priyasinha@gmail.com
5	15	Kiran	Rao	kiranrao@gmail.com
6	16	Ajay	Mehta	ajaymehta@gmail.com
7	17	Rachana	Shah	rachanashah@gmail.com
8	18	Dev	Chaudhary	devchaudhary@gmail.com
9	19	Lakshmi	Iyer	lakshmiiyer@gmail.com
10	20	Sunil	Ghosh	sunilghosh@gmail.com

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.

```
Q--4
DELETE FROM Enrollments
WHERE student_id = 1 AND course_id = 111;
SELECT * FROM Enrollments;
```

91 %

Results Messages

	enrollment_id	student_id	course_id	enrollment_date
1	22	2	222	2024-01-12
2	23	3	333	2024-01-15
3	24	4	444	2024-01-17
4	25	5	555	2024-01-18
5	26	6	666	2024-01-20
6	27	7	777	2024-01-22
7	28	8	888	2024-01-23
8	29	9	999	2024-01-25
9	30	10	1000	2024-01-28
10	101	2	111	2024-01-12

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

```
Q--5
UPDATE Courses
SET teacher_id = 11
WHERE course_id = 999;
SELECT * FROM Courses;
```

%

Results Messages

course_id	course_name	credits	teacher_id
111	Data Structures	4	11
222	Operating Systems	3	12
333	Database Management	4	13
444	Computer Networks	3	14
555	Machine Learning	4	15
666	Artificial Intelligence	3	16
777	Software Engineering	3	17
888	Web Development	3	18
999	Algorithms	4	11
1000	Cybersecurity	3	20

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.

```
Q--6
DELETE FROM Students
WHERE student_id = 8;
SELECT * FROM Students;
```

Results Messages

student_id	first_name	last_name	date_of_birth	email	phone_number
1	Akshay	Parab	2002-02-22	akshayparab@gmail.com	9123456789
2	Pooja	Patil	2000-09-25	poojapatil@gmail.com	9234567890
3	Rahul	parab	1998-11-14	rahulparab@gmail.com	9345678901
4	Anjali	Deshmukh	1999-03-04	anjalideshmukh@gmail.com	9456789012
5	Ravi	kumar	2001-01-17	ravikumar@gmail.com	9567890123
6	Neha	Naik	1997-12-02	nehanaik@gmail.com	9678901234
7	Vikram	Gupta	2000-04-19	vikramgupta@gmail.com	9789012345
9	Suresh	Kulkarni	2000-10-10	sureshkulkarni@gmail.com	9991234567
10	Meena	gawade	1998-07-21	meenagawade@gmail.com	9912345678
11	John	Doe	1995-08-15	john.doe@example.com	1234567890

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

```
Q--7
UPDATE Payments
SET amount = 16000
WHERE payment_id = 32;
SELECT * FROM Payments;
```

Results Messages

payment_id	student_id	amount	payment_date
31	1	15000.00	2024-02-01
32	2	16000.00	2024-02-02
33	3	13000.00	2024-02-05
34	4	15000.00	2024-02-07
35	5	14000.00	2024-02-08
36	6	13000.00	2024-02-10
37	7	15000.00	2024-02-11
39	9	13000.00	2024-02-13
40	10	15000.00	2024-02-14