

DATA INSERTION AND UPDATION

1) Inserting rows to student , enrollment and payment table :

```
// Inserting student data [TASK-7]
Database.InsertStudent(121, "Mary", "Jasmine", new DateTime(2000, 5, 15), "maryyy@gmail.com", "48091");
Database.InsertStudent(112, "Anikha", "Surendran", new DateTime(2002, 7, 25), "anikha@gmail.com", "91341");

// Inserting enrollment data [TASK-7]
Database.InsertEnrollment(11, 112, 13, new DateTime(2025, 1, 29));

// Inserting payment data[TASK-7]
Database.InsertPayment(13, 121, 1500.00m, new DateTime(2025, 1, 14));
```

Viewing inserted data :

STUDENT TABLE (added 2 new rows – student id 121, 112)

```
Microsoft Visual Studio | x + v
StudentID: 101, First Name: Anu, Last Name: Vidhya, Date of Birth: 15-05-2000 00:00:00, Email: anuvidhya@gmail.com, Phone: 48291
-----
StudentID: 102, First Name: Banu, Last Name: Priya, Date of Birth: 20-07-2002 00:00:00, Email: banupriya@yahoo.com, Phone: 75903
-----
StudentID: 103, First Name: Charu, Last Name: Mathi, Date of Birth: 10-03-2001 00:00:00, Email: charumathi@outlook.com, Phone: 63827
-----
StudentID: 104, First Name: Diya, Last Name: Kannan, Date of Birth: 25-11-1998 00:00:00, Email: diyakannan@gmail.com, Phone: 19274
-----
StudentID: 105, First Name: Nila, Last Name: Sri, Date of Birth: 30-06-2004 00:00:00, Email: nilasri@yahoo.com, Phone: 84629
-----
StudentID: 106, First Name: Riya, Last Name: Akash, Date of Birth: 12-01-2003 00:00:00, Email: riyaakash@outlook.com, Phone: 50718
-----
StudentID: 107, First Name: Mrunal, Last Name: Siksha, Date of Birth: 18-09-1997 00:00:00, Email: mrunalnisiksha@gmail.com, Phone: 93582
-----
StudentID: 108, First Name: Niharika, Last Name: Sumit, Date of Birth: 23-04-1996 00:00:00, Email: niharikasumit@yahoo.com, Phone: 21469
-----
StudentID: 110, First Name: Nithya, Last Name: Vasudevan, Date of Birth: 29-02-2004 00:00:00, Email: nithyavasudevan@gmail.com, Phone: 38914
-----
StudentID: 111, First Name: John, Last Name: Doe, Date of Birth: 15-08-1995 00:00:00, Email: john.doe@example.com, Phone: 30190
-----
StudentID: 112, First Name: Anikha, Last Name: Surendran, Date of Birth: 25-07-2002 00:00:00, Email: anikha@gmail.com, Phone: 91341
-----
StudentID: 121, First Name: Mary, Last Name: Jasmine, Date of Birth: 15-05-2000 00:00:00, Email: maryyy@gmail.com, Phone: 48091
-----
```

ENROLLMENTS TABLE (added 1 new row – enrolment id 11)

```
Microsoft Visual Studio | x + v
Enrollment ID: 2, Student ID: 102, Course ID: 19, Enrollment Date: 10-02-2025 00:00:00
-----
Enrollment ID: 3, Student ID: 103, Course ID: 20, Enrollment Date: 22-05-2024 00:00:00
-----
Enrollment ID: 4, Student ID: 104, Course ID: 15, Enrollment Date: 05-08-2025 00:00:00
-----
Enrollment ID: 5, Student ID: 105, Course ID: 12, Enrollment Date: 18-06-2024 00:00:00
-----
Enrollment ID: 6, Student ID: 106, Course ID: 11, Enrollment Date: 12-10-2025 00:00:00
-----
Enrollment ID: 7, Student ID: 107, Course ID: 14, Enrollment Date: 25-03-2024 00:00:00
-----
Enrollment ID: 8, Student ID: 108, Course ID: 13, Enrollment Date: 01-12-2025 00:00:00
-----
Enrollment ID: 10, Student ID: 110, Course ID: 17, Enrollment Date: 20-11-2025 00:00:00
-----
Enrollment ID: 11, Student ID: 112, Course ID: 13, Enrollment Date: 29-01-2025 00:00:00
-----
```

PAYMENTS TABLE (added 1 new row – payment id 13)

PaymentID: 1, StudentID: 101, Amount: 700.00, Payment Date: 20-07-2024 00:00:00
PaymentID: 2, StudentID: 102, Amount: 600.00, Payment Date: 15-02-2025 00:00:00
PaymentID: 3, StudentID: 103, Amount: 550.00, Payment Date: 01-06-2024 00:00:00
PaymentID: 4, StudentID: 104, Amount: 580.00, Payment Date: 10-08-2025 00:00:00
PaymentID: 5, StudentID: 105, Amount: 620.00, Payment Date: 01-07-2024 00:00:00
PaymentID: 6, StudentID: 106, Amount: 530.00, Payment Date: 15-10-2025 00:00:00
PaymentID: 7, StudentID: 107, Amount: 570.00, Payment Date: 01-04-2024 00:00:00
PaymentID: 8, StudentID: 108, Amount: 590.00, Payment Date: 10-12-2025 00:00:00
PaymentID: 10, StudentID: 110, Amount: 540.00, Payment Date: 25-11-2025 00:00:00
PaymentID: 11, StudentID: 106, Amount: 250.00, Payment Date: 10-02-2025 00:00:00
PaymentID: 12, StudentID: 107, Amount: 200.00, Payment Date: 05-03-2025 00:00:00
PaymentID: 13, StudentID: 121, Amount: 1500.00, Payment Date: 14-01-2025 00:00:00

2) Updating student information for student id 121

```
Enter student ID to update:
121
Enter first name:
Mary
Enter last name:
Kom
Enter email:
marykom@gmail.com
Enter phone number:
48092
Student information updated successfully.
```

Updated information of student id 121 (STUDENT TABLE)

StudentID: 105, First Name: Nila, Last Name: Sri, Date of Birth: 30-06-2004 00:00:00, Email: nilasri@yahoo.com, Phone: 84629
StudentID: 106, First Name: Riya, Last Name: Akash, Date of Birth: 12-01-2003 00:00:00, Email: riyaakash@outlook.com, Phone: 50718
StudentID: 107, First Name: Mrunal, Last Name: Siksha, Date of Birth: 18-09-1997 00:00:00, Email: mrunalnisiksha@gmail.com, Phone: 93582
StudentID: 108, First Name: Niharika, Last Name: Sumit, Date of Birth: 23-04-1996 00:00:00, Email: niharikasumit@yahoo.com, Phone: 21469
StudentID: 110, First Name: Nithya, Last Name: Vasudevan, Date of Birth: 29-02-2004 00:00:00, Email: nithyavasudevan@gmail.com, Phone: 38914
StudentID: 111, First Name: John, Last Name: Doe, Date of Birth: 15-08-1995 00:00:00, Email: john.doe@example.com, Phone: 30190
StudentID: 112, First Name: Anikha, Last Name: Surendran, Date of Birth: 25-07-2002 00:00:00, Email: anikha@gmail.com, Phone: 91341
StudentID: 121, First Name: Mary, Last Name: Kom, Date of Birth: 15-05-2000 00:00:00, Email: marykom@gmail.com, Phone: 48092

DISPLAYING TABLE FROM SQL SERVER

- 1)Student table (added 2 new rows – id 121, 112)
- 2)Enrollment table (added 1 new row – enrolment id 11)
- 3)Payment table (added 1 new row – payment id 13)

	student_id	first_name	last_name	date_of_birth	email	phone_number
1	101	Anu	Vidhya	2000-05-15	anuvithya@gmail.com	48291
2	102	Banu	Priya	2002-07-20	banupriya@yahoo.com	75903
3	103	Charu	Mathi	2001-03-10	charumathi@outlook.com	63827
4	104	Diya	Kannan	1998-11-25	diyakannan@gmail.com	19274
5	105	Nila	Sri	2004-06-30	nilasri@yahoo.com	84629
6	106	Riya	Akash	2003-01-12	riyaakash@outlook.com	50718
7	107	Mrunal	Siksha	1997-09-18	mrunalnisiksha@gmail.com	93582
8	108	Niharika	Sumit	1996-04-23	niharikasumit@yahoo.com	21469
9	110	Nithya	Vasudevan	2004-02-29	nithyavasudevan@gmail.com	38914
10	111	John	Doe	1995-08-15	john.doe@example.com	30190
11	112	Anikha	Surendran	2002-07-25	anikha@gmail.com	91341
12	121	Mary	Kom	2000-05-15	marykom@gmail.com	48092

	enrollment_id	student_id	course_id	enrollment_date
1	2	102	19	2025-02-10
2	3	103	20	2024-05-22
3	4	104	15	2025-08-05
4	5	105	12	2024-06-18
5	6	106	11	2025-10-12
6	7	107	14	2024-03-25
7	8	108	13	2025-12-01
8	10	110	17	2025-11-20
9	11	112	13	2025-01-29

	payment_id	student_id	amount	payment_date
1	1	101	700.00	2024-07-20
2	2	102	600.00	2025-02-15
3	3	103	550.00	2024-06-01
4	4	104	580.00	2025-08-10
5	5	105	620.00	2024-07-01
6	6	106	530.00	2025-10-15
7	7	107	570.00	2024-04-01
8	8	108	590.00	2025-12-10
9	10	110	540.00	2025-11-25
10	11	106	250.00	2025-02-10
11	12	107	200.00	2025-03-05
12	13	121	1500.00	2025-01-14