**ASSIGNMENT**

**INSERTION OF VALUES IN SISDB:**

mysql> use SISDB;

Database changed

mysql> desc students;

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

| Field | Type | Null | Key | Default | Extra |

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

| student\_id | int | NO | PRI | NULL | auto\_increment |

| first\_name | varchar(20) | NO | | NULL | |

| last\_name | varchar(20) | NO | | NULL | |

| date\_of\_birth | date | NO | | NULL | |

| email | varchar(20) | NO | UNI | NULL | |

| phone\_number | varchar(20) | NO | UNI | NULL | |

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

6 rows in set (0.03 sec)

mysql> alter table students modify email varchar(50);

Query OK, 0 rows affected (0.25 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Students (first\_name, last\_name, date\_of\_birth, email, phone\_number) VALUES('Arun', 'Kumar', '2000-02-10', 'arun.kumar@gmail.com', '9123456780'),('Meera', 'Venkatesh', '1999-05-15', 'meera.venkatesh@gmail.com', '9234567891'),('Vikram', 'Reddy', '2001-07-21', 'vikram.reddy@gmail.com', '9345678902'),('Divya', 'Natarajan', '2002-09-30', 'divya.natarajan@gmail.com', '9456789013'),('Ravi', 'Chandran', '2000-12-05', 'ravi.chandran@gmail.com', '9567890124'),('Lakshmi', 'Subramanian', '2001-03-18', 'lakshmi.subramanian@gmail.com', '9678901235'),('Hari', 'Narayan', '1998-08-25', 'hari.narayan@gmail.com', '9789012346'),('Priya', 'Madhavan', '1999-06-12', 'priya.madhavan@gmail.com', '9890123457'),('Santhosh', 'Sivam', '2000-04-22', 'santhosh.sivam@gmail.com', '9901234568'),('Keerthi', 'Rajagopal', '2001-11-17', 'keerthi.rajagopal@gmail.com', '9012345679');

Query OK, 10 rows affected (0.04 sec)

Records: 10 Duplicates: 0 Warnings: 0

**mysql> select \* from students;**

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

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

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

| 11 | Arun | Kumar | 2000-02-10 | arun.kumar@gmail.com | 9123456780 |

| 12 | Meera | Venkatesh | 1999-05-15 | meera.venkatesh@gmail.com | 9234567891 |

| 13 | Vikram | Reddy | 2001-07-21 | vikram.reddy@gmail.com | 9345678902 |

| 14 | Divya | Natarajan | 2002-09-30 | divya.natarajan@gmail.com | 9456789013 |

| 15 | Ravi | Chandran | 2000-12-05 | ravi.chandran@gmail.com | 9567890124 |

| 16 | Lakshmi | Subramanian | 2001-03-18 | lakshmi.subramanian@gmail.com | 9678901235 |

| 17 | Hari | Narayan | 1998-08-25 | hari.narayan@gmail.com | 9789012346 |

| 18 | Priya | Madhavan | 1999-06-12 | priya.madhavan@gmail.com | 9890123457 |

| 19 | Santhosh | Sivam | 2000-04-22 | santhosh.sivam@gmail.com | 9901234568 |

| 20 | Keerthi | Rajagopal | 2001-11-17 | keerthi.rajagopal@gmail.com | 9012345679 |

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

10 rows in set (0.00 sec)

mysql> alter table students auto\_increment=1;

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Teachers (first\_name, last\_name, email) VALUES('Sundar', 'Krishnan', 'sundar.krishnan@gmail.com'),('Lakshmi', 'Raghavan', 'lakshmi.raghavan@gmail.com'),('Ganesh', 'Prasad', 'ganesh.prasad@gmail.com'),('Uma', 'Shankar', 'uma.shankar@gmail.com'),('Rajesh', 'Varma', 'rajesh.varma@gmail.com'),('Anitha', 'Selvam', 'anitha.selvam@gmail.com'),('Mohan', 'Vasudevan', 'mohan.vasudevan@gmail.com'),('Deepa', 'Balakrishnan', 'deepa.balakrishnan@gmail.com'),('Karthik', 'Srinivasan', 'karthik.srinivasan@gmail.com'),('Revathi', 'Iyer', 'revathi.iyer@gmail.com');

Query OK, 10 rows affected (0.05 sec)

Records: 10 Duplicates: 0 Warnings: 0

**mysql> select \* from teachers;**

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

| teacher\_id | first\_name | last\_name | email |

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

| 1 | Sundar | Krishnan | sundar.krishnan@gmail.com |

| 2 | Lakshmi | Raghavan | lakshmi.raghavan@gmail.com |

| 3 | Ganesh | Prasad | ganesh.prasad@gmail.com |

| 4 | Uma | Shankar | uma.shankar@gmail.com |

| 5 | Rajesh | Varma | rajesh.varma@gmail.com |

| 6 | Anitha | Selvam | anitha.selvam@gmail.com |

| 7 | Mohan | Vasudevan | mohan.vasudevan@gmail.com |

| 8 | Deepa | Balakrishnan | deepa.balakrishnan@gmail.com |

| 9 | Karthik | Srinivasan | karthik.srinivasan@gmail.com |

| 10 | Revathi | Iyer | revathi.iyer@gmail.com |

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

10 rows in set (0.00 sec)

mysql> INSERT INTO Courses (course\_id, course\_name, credits, teacher\_id) VALUES(1001, 'Python Basics', 4, 1),(1002, 'Data Structures', 3, 2),(1003, 'Database Systems', 4, 3),(1004, 'Networking', 3, 4),(1005, 'Operating Systems', 4, 5),(1006, 'AI & ML', 3, 6),(1007, 'Cyber Security', 4, 7),(1008, 'Software Engineering', 3, 8),(1009, 'Web Development', 4, 9),(1010, 'Cloud Computing', 3, 10);

Query OK, 10 rows affected (0.05 sec)

Records: 10 Duplicates: 0 Warnings: 0

**mysql> select \* from courses;**

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

| course\_id | course\_name | credits | teacher\_id |

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

| 1001 | Python Basics | 4 | 1 |

| 1002 | Data Structures | 3 | 2 |

| 1003 | Database Systems | 4 | 3 |

| 1004 | Networking | 3 | 4 |

| 1005 | Operating Systems | 4 | 5 |

| 1006 | AI & ML | 3 | 6 |

| 1007 | Cyber Security | 4 | 7 |

| 1008 | Software Engineering | 3 | 8 |

| 1009 | Web Development | 4 | 9 |

| 1010 | Cloud Computing | 3 | 10 |

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

10 rows in set (0.00 sec)

mysql> INSERT INTO Enrollments (enrollment\_id, student\_id, course\_id, enrollment\_date) VALUES(101, 11, 1001, '2024-03-01'),(102, 12, 1002, '2024-03-02'),(103, 13, 1003, '2024-03-03'),(104, 14, 1004, '2024-03-04'),(105, 15, 1005, '2024-03-05'),(106, 16, 1006, '2024-03-06'),(107, 17, 1007, '2024-03-07'),(108, 18, 1008, '2024-03-08'),(109, 19, 1009, '2024-03-09'),(110, 20, 1010, '2024-03-10');

Query OK, 10 rows affected (0.05 sec)

Records: 10 Duplicates: 0 Warnings: 0

**mysql> select \* from enrollments;**

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

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

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

| 101 | 11 | 1001 | 2024-03-01 |

| 102 | 12 | 1002 | 2024-03-02 |

| 103 | 13 | 1003 | 2024-03-03 |

| 104 | 14 | 1004 | 2024-03-04 |

| 105 | 15 | 1005 | 2024-03-05 |

| 106 | 16 | 1006 | 2024-03-06 |

| 107 | 17 | 1007 | 2024-03-07 |

| 108 | 18 | 1008 | 2024-03-08 |

| 109 | 19 | 1009 | 2024-03-09 |

| 110 | 20 | 1010 | 2024-03-10 |

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

10 rows in set (0.00 sec)

mysql> INSERT INTO Payments (payment\_id, student\_id, amount, payment\_date) VALUES(4001, 11, 1500.00, '2024-03-11'),(4002, 12, 1200.00, '2024-03-12'),(4003, 13, 1800.00, '2024-03-13'),(4004, 14, 2100.00, '2024-03-14'),(4005, 15, 1300.00, '2024-03-15'),(4006, 16, 1700.00, '2024-03-16'),(4007, 17, 1400.00, '2024-03-17'),(4008, 18, 1600.00, '2024-03-18'),(4009, 19, 1900.00, '2024-03-19'),(4010, 20, 2000.00, '2024-03-20');

Query OK, 10 rows affected (0.04 sec)

Records: 10 Duplicates: 0 Warnings: 0

**mysql> select \* from payments;**

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

| payment\_id | student\_id | amount | payment\_date |

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

| 4001 | 11 | 1500.00 | 2024-03-11 |

| 4002 | 12 | 1200.00 | 2024-03-12 |

| 4003 | 13 | 1800.00 | 2024-03-13 |

| 4004 | 14 | 2100.00 | 2024-03-14 |

| 4005 | 15 | 1300.00 | 2024-03-15 |

| 4006 | 16 | 1700.00 | 2024-03-16 |

| 4007 | 17 | 1400.00 | 2024-03-17 |

| 4008 | 18 | 1600.00 | 2024-03-18 |

| 4009 | 19 | 1900.00 | 2024-03-19 |

| 4010 | 20 | 2000.00 | 2024-03-20 |

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

10 rows in set (0.00 sec)