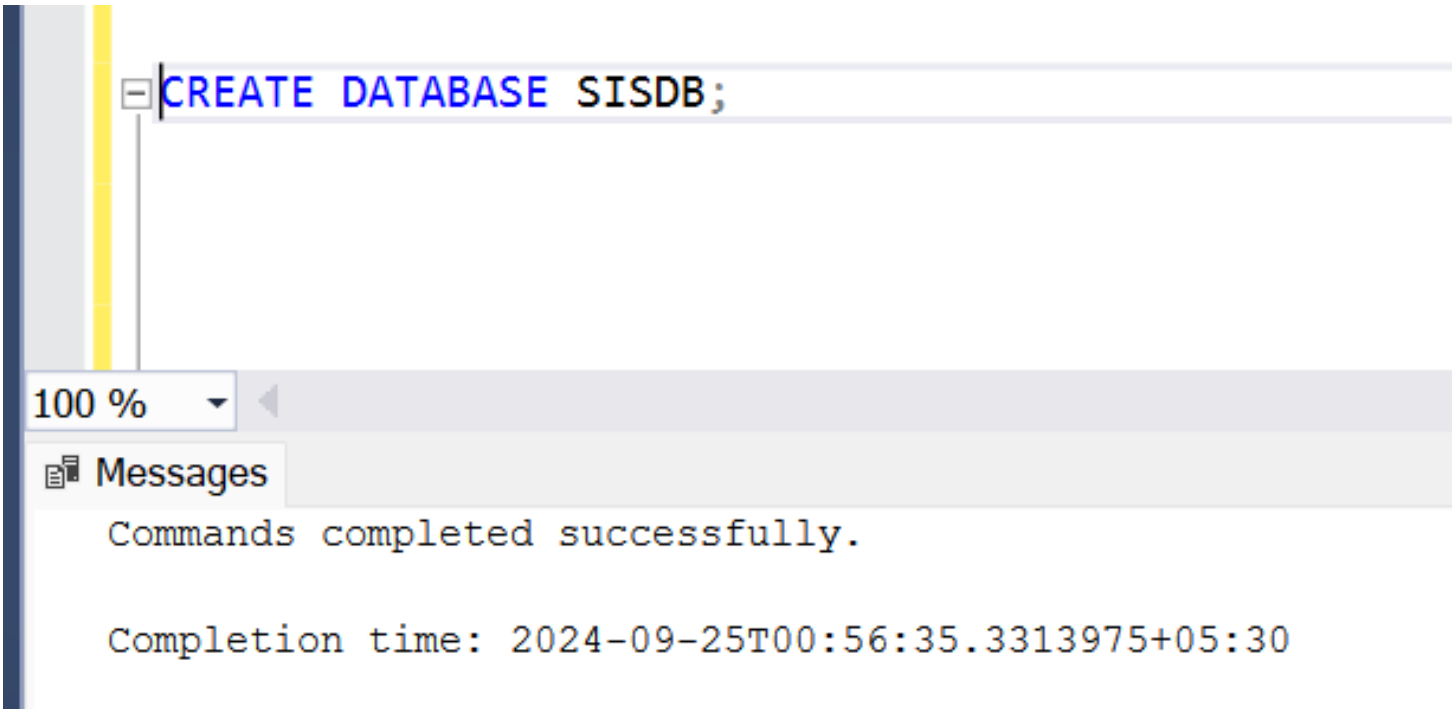
Name – Ishaan Gupta

Batch – c# batch 2

Assignment - Student Information System (SIS)
Task - 1

(question+SQL query+output added below)

Q1. Create the database named "SISDB"



Q2) Define the schema for the Students, Courses, Enrollments, Teacher, and Payments tables based on the provided schema. Write SQL scripts to create the mentioned tables with appropriate data types, constraints, and relationships.

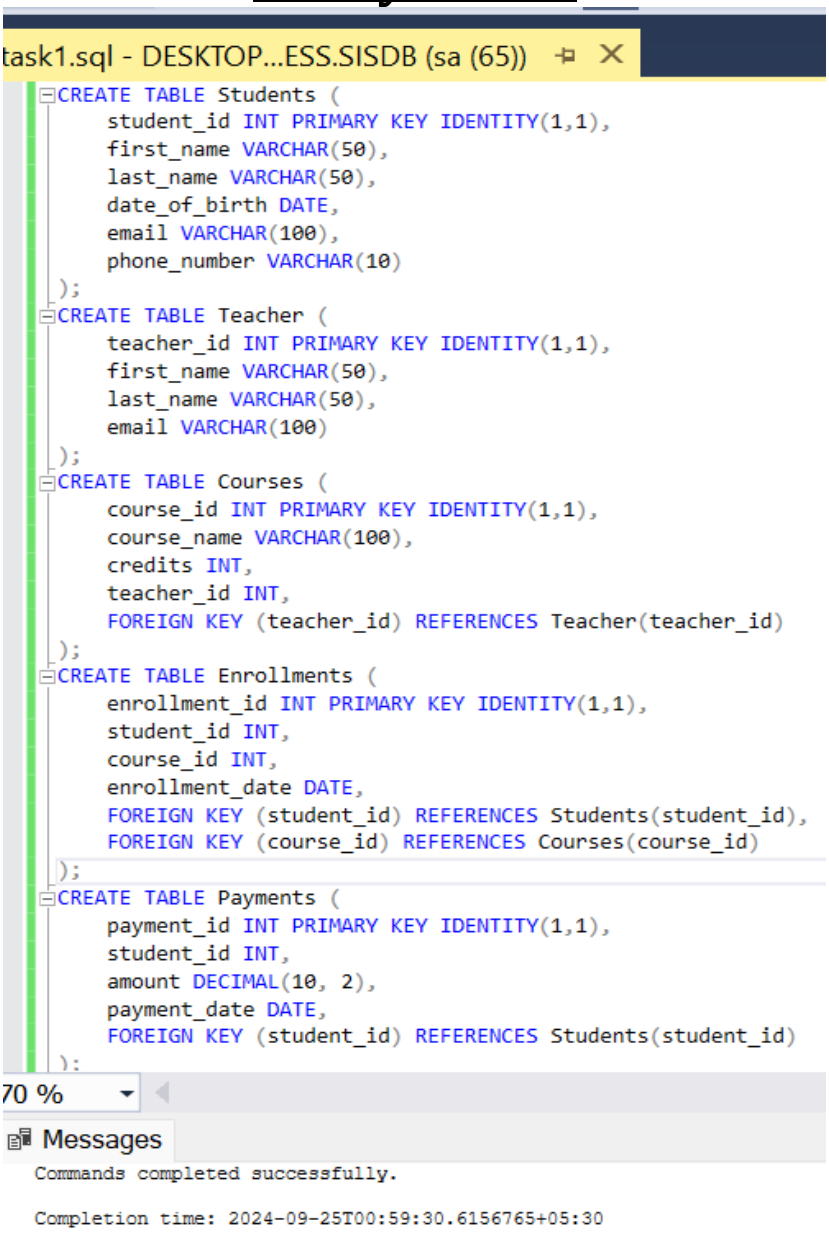
a. Students

b. Courses

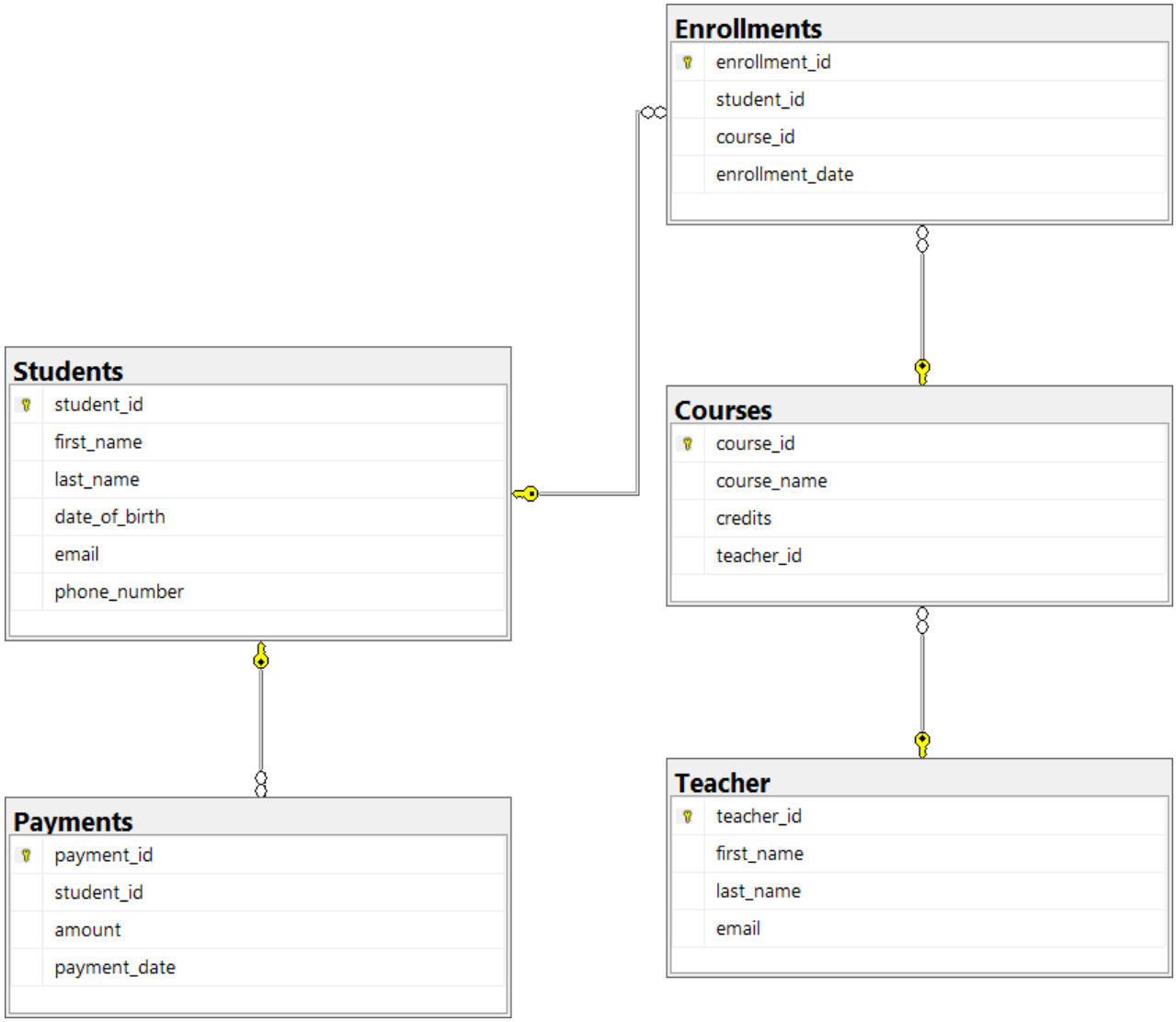
c. Enrollments

d. Teacher

e. Payments



Q3) Create an ERD (Entity Relationship Diagram) for the database.



Q4) Create appropriate Primary Key and Foreign Key constraints for referential integrity.

Q5) Insert at least 10 sample records into each of the following tables.

i. Students

ii. Courses

iii. Enrollments

iv. Teacher

v. Payments

task1.sql - DESKTOP...ESS.SISDB (sa (65))

```
INSERT INTO Students (first_name, last_name, date_of_birth, email, phone_number)
VALUES
('Ishaan', 'Gupta', '2000-08-15', 'amit.sharma@example.com', '9876543210'),
('Priya', 'Kapoor', '1996-02-20', 'priya.kapoor@example.com', '9123456789'),
('Ravi', 'Mehta', '1997-12-10', 'ravi.mehta@example.com', '9000000001'),
('Sunita', 'Singh', '1995-05-05', 'sunita.singh@example.com', '8989898989'),
('Rajesh', 'Patel', '1998-09-12', 'rajesh.patel@example.com', '7777777777'),
('John', 'Doe', '1995-08-15', 'john.doe@example.com', '1234567890'),
('Sonal', 'Gupta', '1997-07-15', 'sonal.gupta@example.com', '9999999999'),
('Rohan', 'Joshi', '1996-03-01', 'rohan.joshi@example.com', '9090909090'),
('Manish', 'Rao', '1996-11-10', 'manish.rao@example.com', '8989891234'),
('Anita', 'Nair', '1997-04-20', 'anita.nair@example.com', '8080808080');

INSERT INTO Teacher (first_name, last_name, email)
VALUES
('Varsha', 'Patil', 'varsha.patil@example.com'),
('Seema', 'Joshi', 'seema.joshi@example.com'),
('Vikas', 'Dubey', 'vikas.patil@example.com'),
('Anjali', 'Nair', 'anjali.nair@example.com'),
('Karan', 'Shah', 'karan.shah@example.com'),
('Megha', 'Ghosh', 'megha.ghosh@example.com'),
('Suresh', 'Yadav', 'suresh.yadav@example.com'),
('Vijay', 'Thakur', 'vijay.thakur@example.com'),
('Preeti', 'Reddy', 'preeti.reddy@example.com'),
('Nisha', 'Chauhan', 'nisha.chauhan@example.com');

INSERT INTO Courses (course_name, credits, teacher_id)
VALUES
('Mathematics', 3, 1),
('Physics', 4, 2),
('Chemistry', 3, 3),
('English', 2, 1),
('History', 2, 2),
('Biology', 3, 4),
('Economics', 3, 5),
```

70 %

Messages

```
(10 rows affected)

(10 rows affected)

(10 rows affected)

(10 rows affected)
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70 %