**TASK 8**

**using my sql design a database whose name in imdb . create proper my sql tables ,primary key,foreign key,add data into the mysql tablesand do the following as given below ;**

1 ) movie should have multiple media (video or image)

2 ) movie can belongs to multiple genre

3 ) movie can have multiple reviews and review can belongs to a user

4) Artist can have multiple skills

5) Artist can perform multiple role in a single film

CREATE TABLE Movies (

movie\_id INT AUTO\_INCREMENT PRIMARY KEY,

title VARCHAR(255) NOT NULL,

release\_year INT,

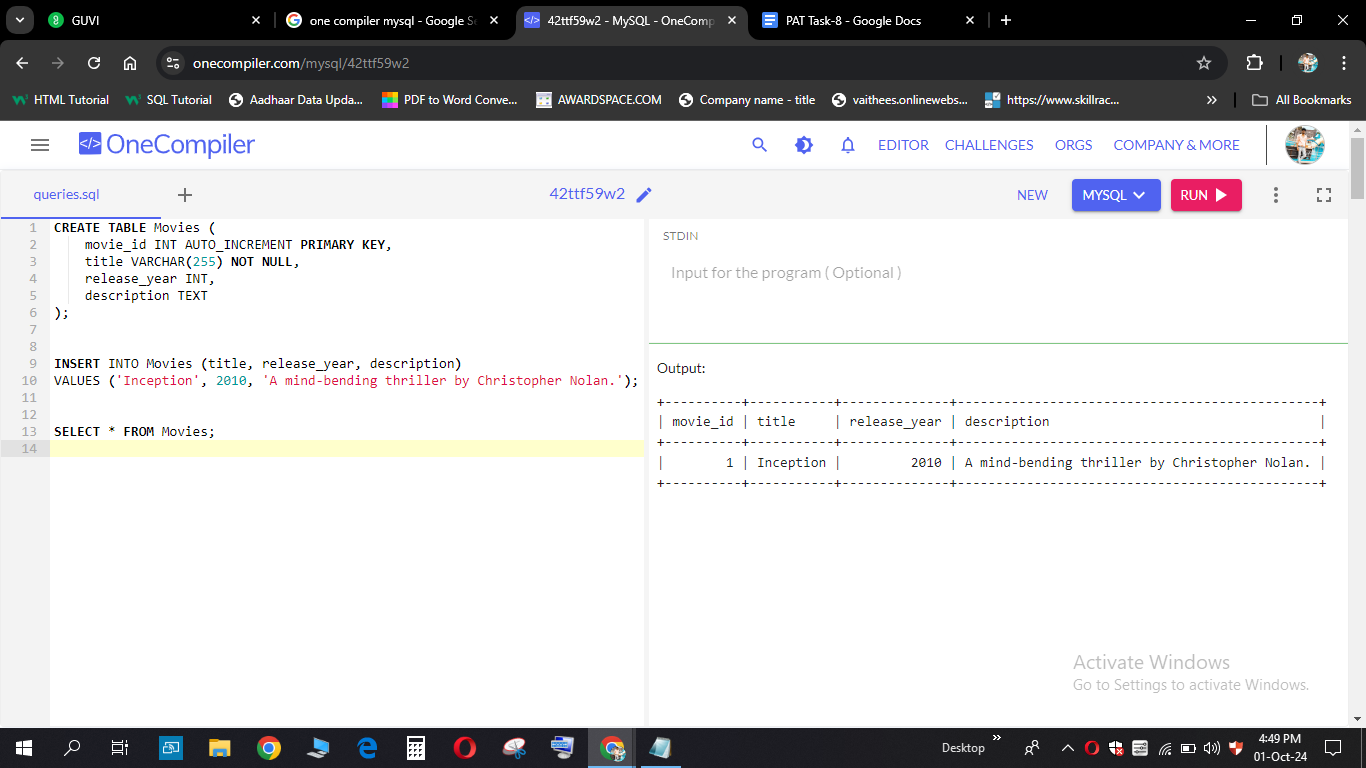
description TEXT

);

INSERT INTO Movies (title, release\_year, description)

VALUES ('Inception', 2010, 'A mind-bending thriller by Christopher Nolan.');

SELECT \* FROM Movies;



CREATE TABLE Media (

media\_id INT AUTO\_INCREMENT PRIMARY KEY,

movie\_id INT,

media\_type ENUM('image', 'video') NOT NULL,

media\_url VARCHAR(255) NOT NULL,

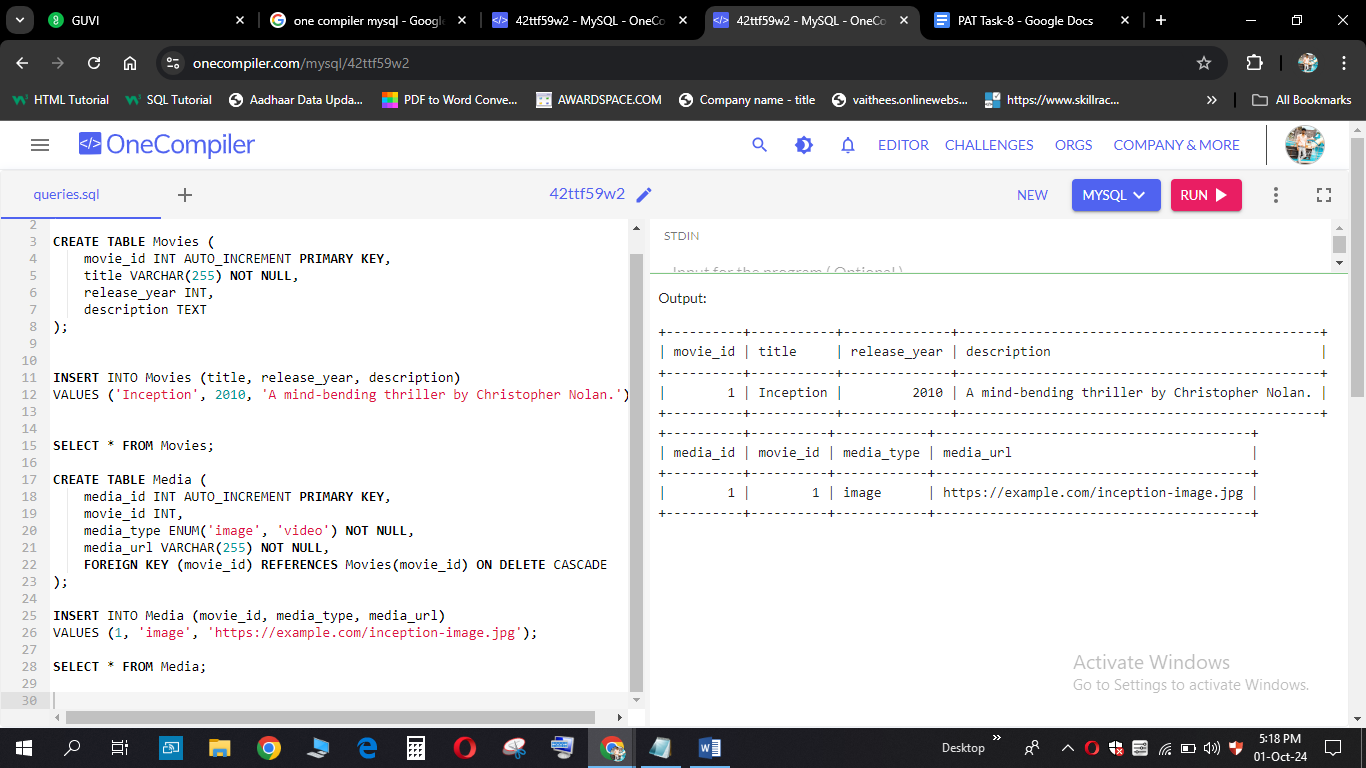
FOREIGN KEY (movie\_id) REFERENCES Movies(movie\_id) ON DELETE CASCADE

);

INSERT INTO Media (movie\_id, media\_type, media\_url)

VALUES (1, 'image', 'https://example.com/inception-image.jpg');

SELECT \* FROM Media;



CREATE TABLE Genres (

genre\_id INT AUTO\_INCREMENT PRIMARY KEY,

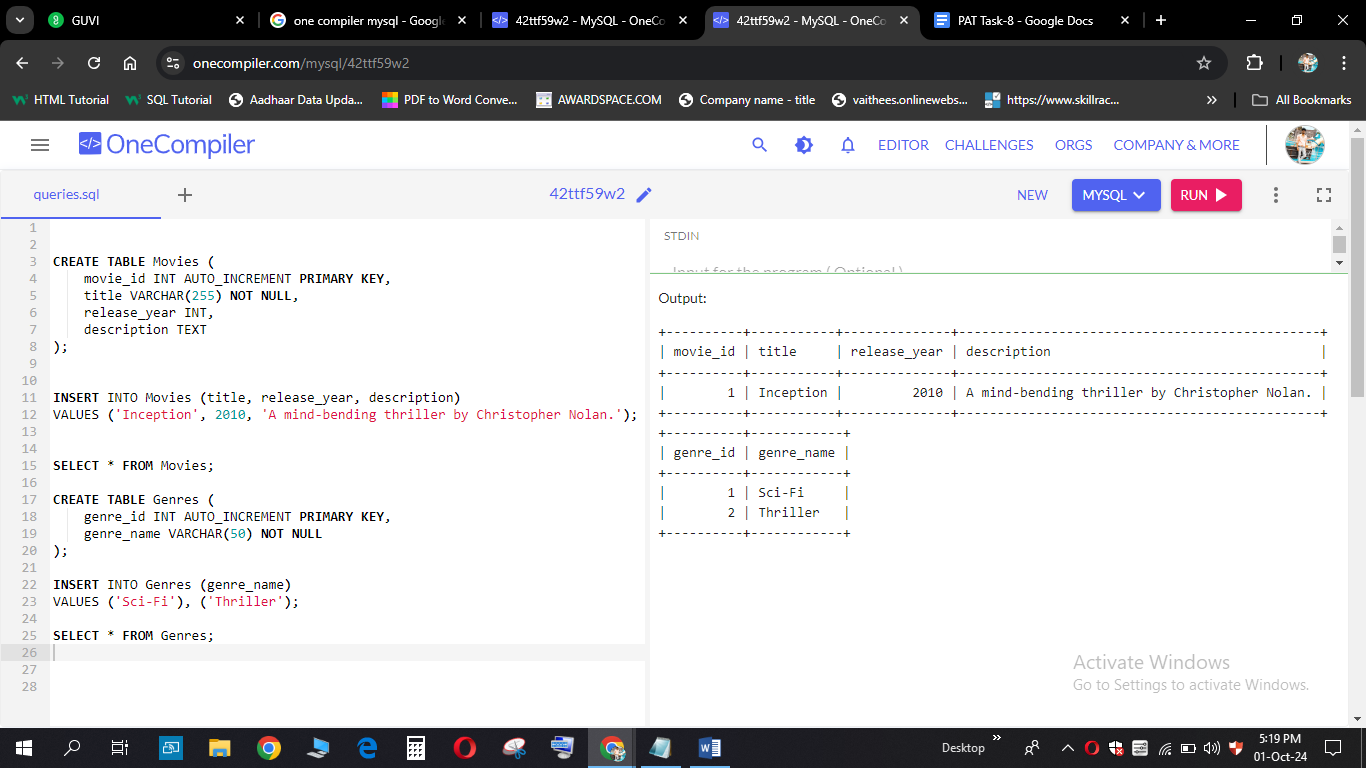
genre\_name VARCHAR(50) NOT NULL

);

INSERT INTO Genres (genre\_name)

VALUES ('Sci-Fi'), ('Thriller');

SELECT \* FROM Genres;



CREATE TABLE MovieGenres (

movie\_id INT,

genre\_id INT,

PRIMARY KEY (movie\_id, genre\_id),

FOREIGN KEY (movie\_id) REFERENCES Movies(movie\_id) ON DELETE CASCADE,

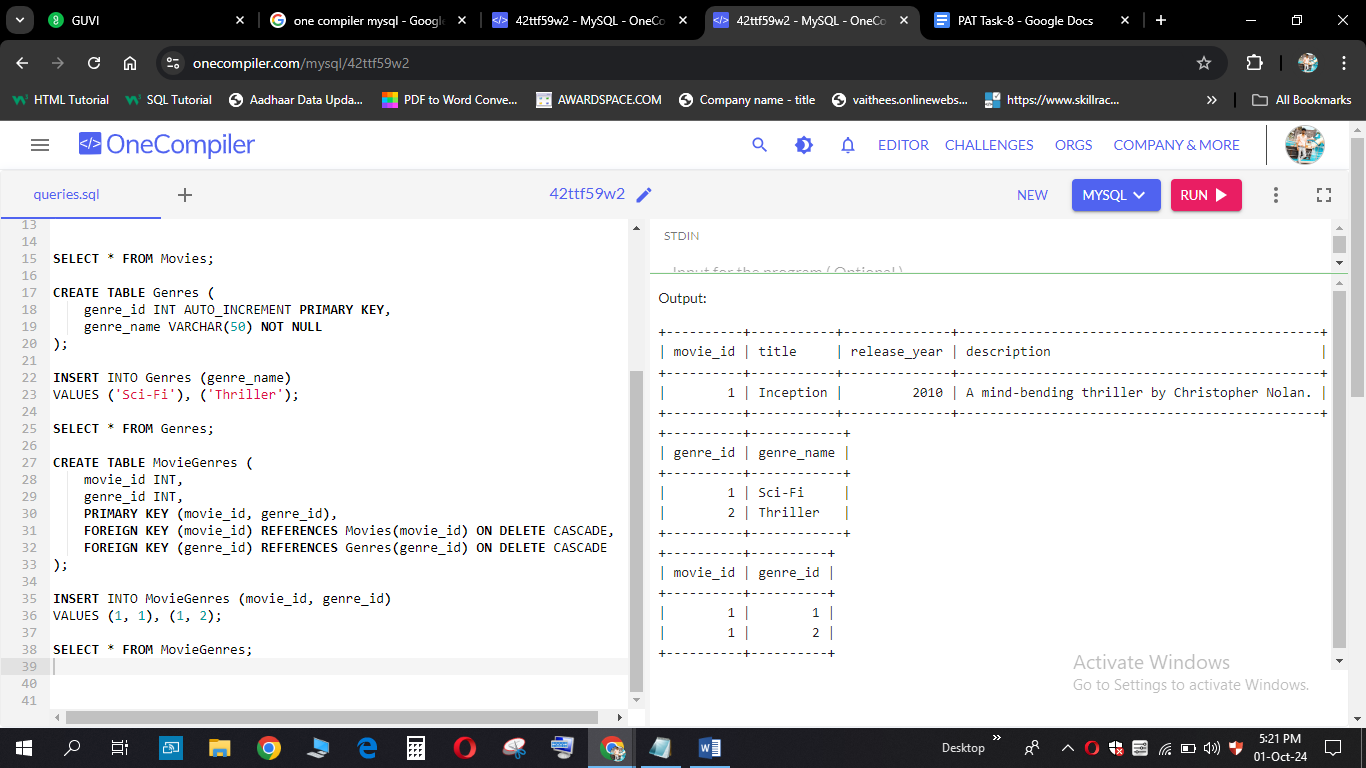
FOREIGN KEY (genre\_id) REFERENCES Genres(genre\_id) ON DELETE CASCADE

);

INSERT INTO MovieGenres (movie\_id, genre\_id)

VALUES (1, 1), (1, 2);

SELECT \* FROM MovieGenres;



CREATE TABLE Users (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(255) NOT NULL,

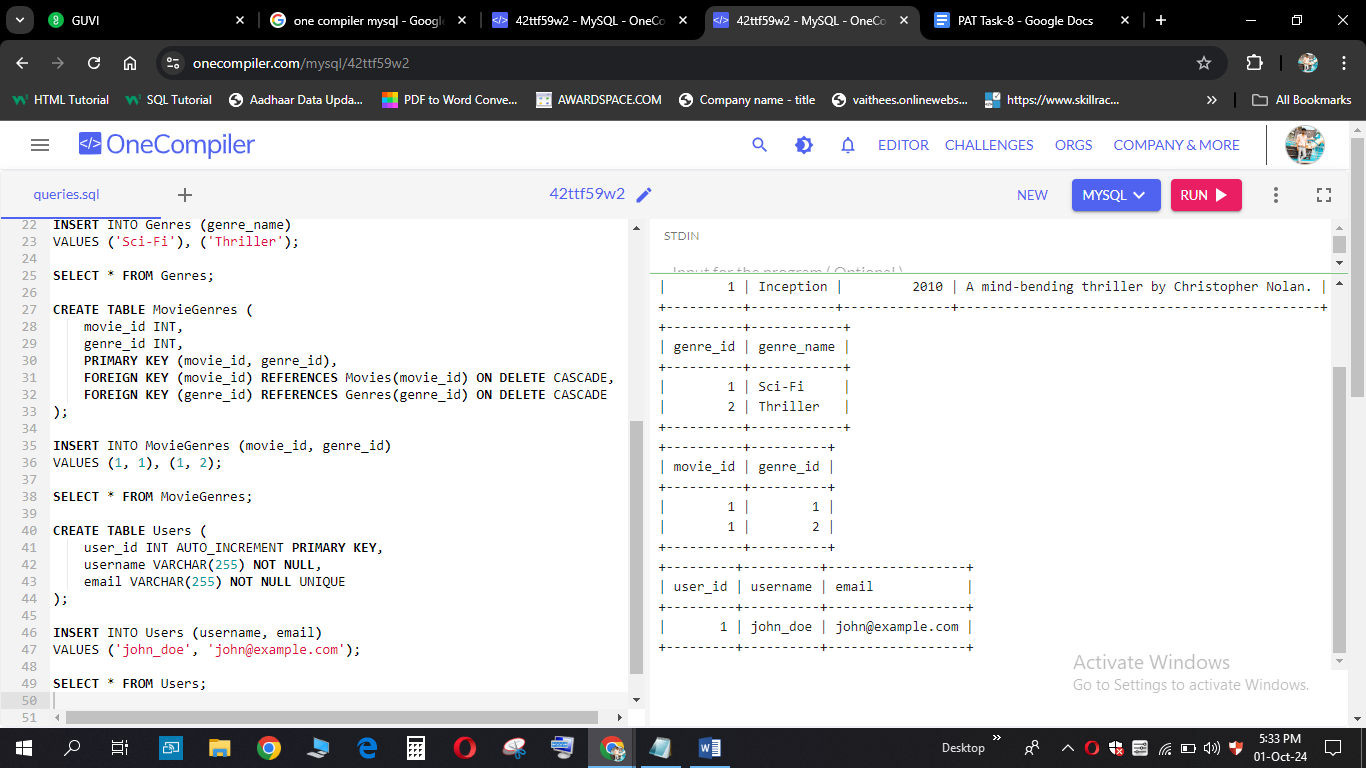
email VARCHAR(255) NOT NULL UNIQUE

);

INSERT INTO Users (username, email)

VALUES ('john\_doe', 'john@example.com');

SELECT \* FROM Users;



CREATE TABLE Reviews (

review\_id INT AUTO\_INCREMENT PRIMARY KEY,

movie\_id INT,

user\_id INT,

rating INT CHECK (rating >= 1 AND rating <= 10),

review\_text TEXT,

FOREIGN KEY (movie\_id) REFERENCES Movies(movie\_id) ON DELETE CASCADE,

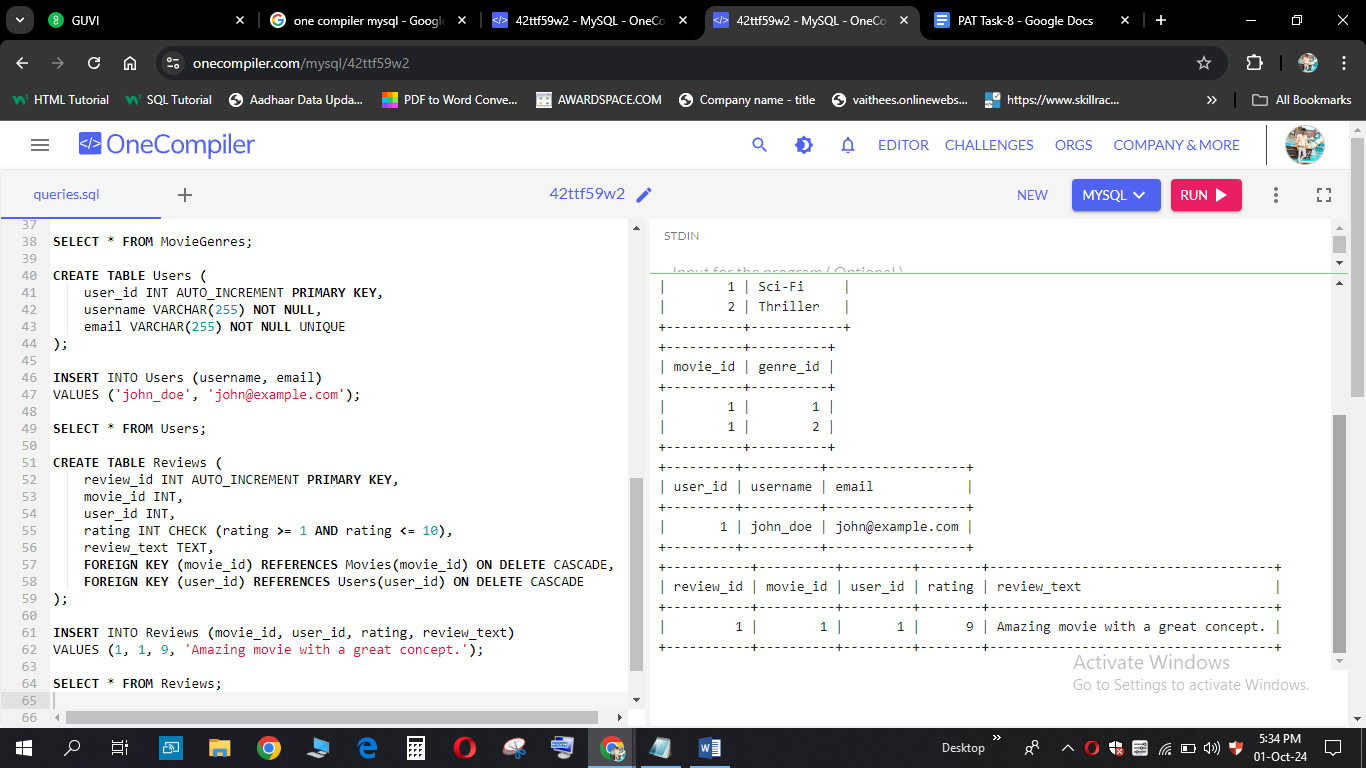
FOREIGN KEY (user\_id) REFERENCES Users(user\_id) ON DELETE CASCADE

);

INSERT INTO Reviews (movie\_id, user\_id, rating, review\_text)

VALUES (1, 1, 9, 'Amazing movie with a great concept.');

SELECT \* FROM Reviews;



CREATE TABLE Artists (

artist\_id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

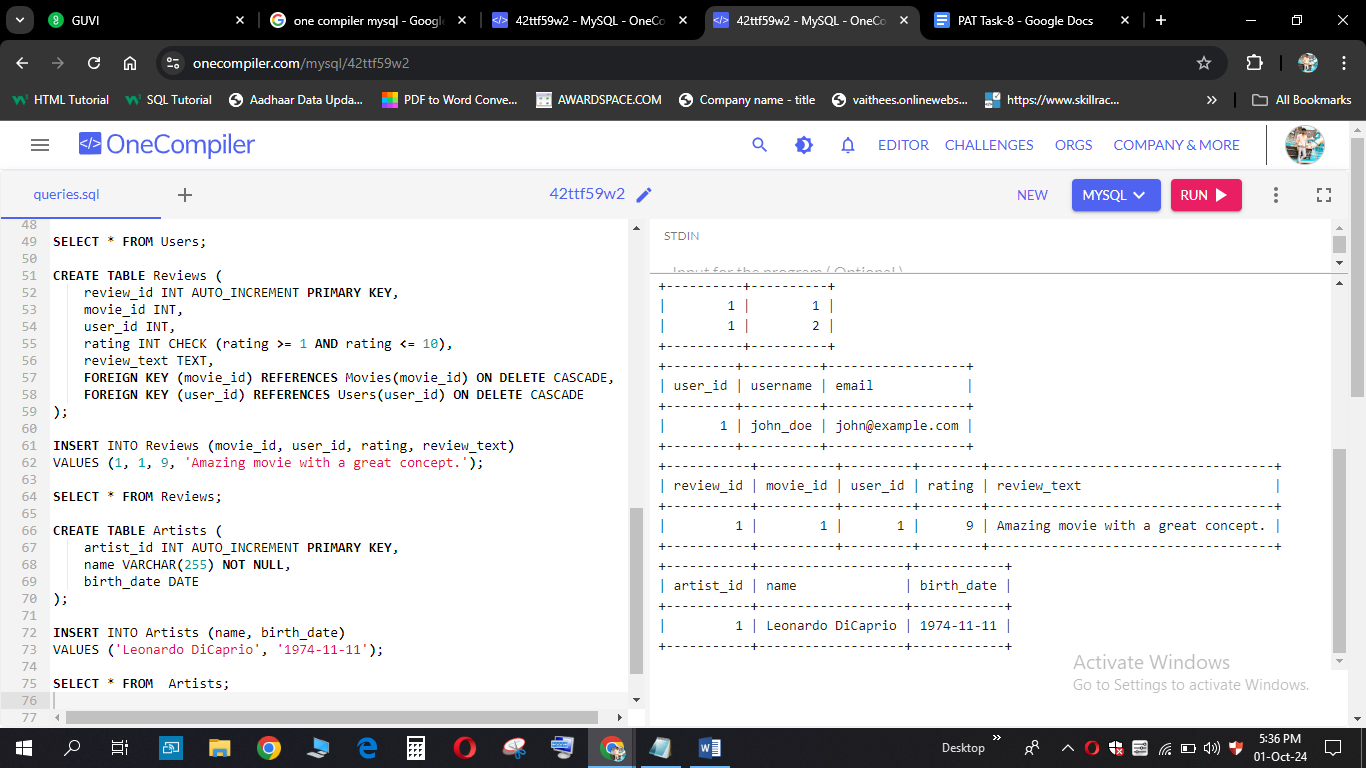
birth\_date DATE

);

INSERT INTO Artists (name, birth\_date)

VALUES ('Leonardo DiCaprio', '1974-11-11');

SELECT \* FROM Artists;



CREATE TABLE Skills (

skill\_id INT AUTO\_INCREMENT PRIMARY KEY,

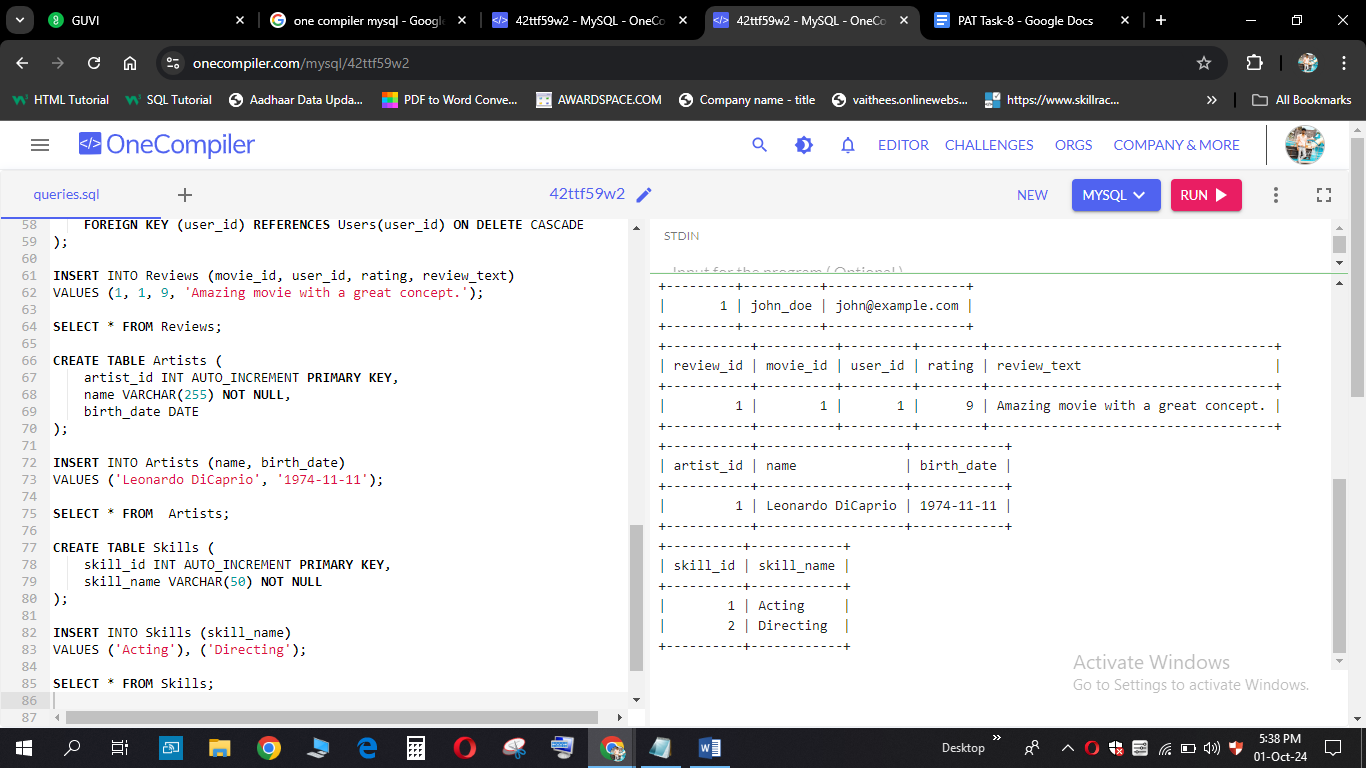
skill\_name VARCHAR(50) NOT NULL

);

INSERT INTO Skills (skill\_name)

VALUES ('Acting'), ('Directing');

SELECT \* FROM Skills;



CREATE TABLE ArtistSkills (

artist\_id INT,

skill\_id INT,

PRIMARY KEY (artist\_id, skill\_id),

FOREIGN KEY (artist\_id) REFERENCES Artists(artist\_id) ON DELETE CASCADE,

FOREIGN KEY (skill\_id) REFERENCES Skills(skill\_id) ON DELETE CASCADE

);

INSERT INTO ArtistSkills (artist\_id, skill\_id)

VALUES (1, 1);

SELECT \* FROM ArtistSkills;



CREATE TABLE Roles (

role\_id INT AUTO\_INCREMENT PRIMARY KEY,

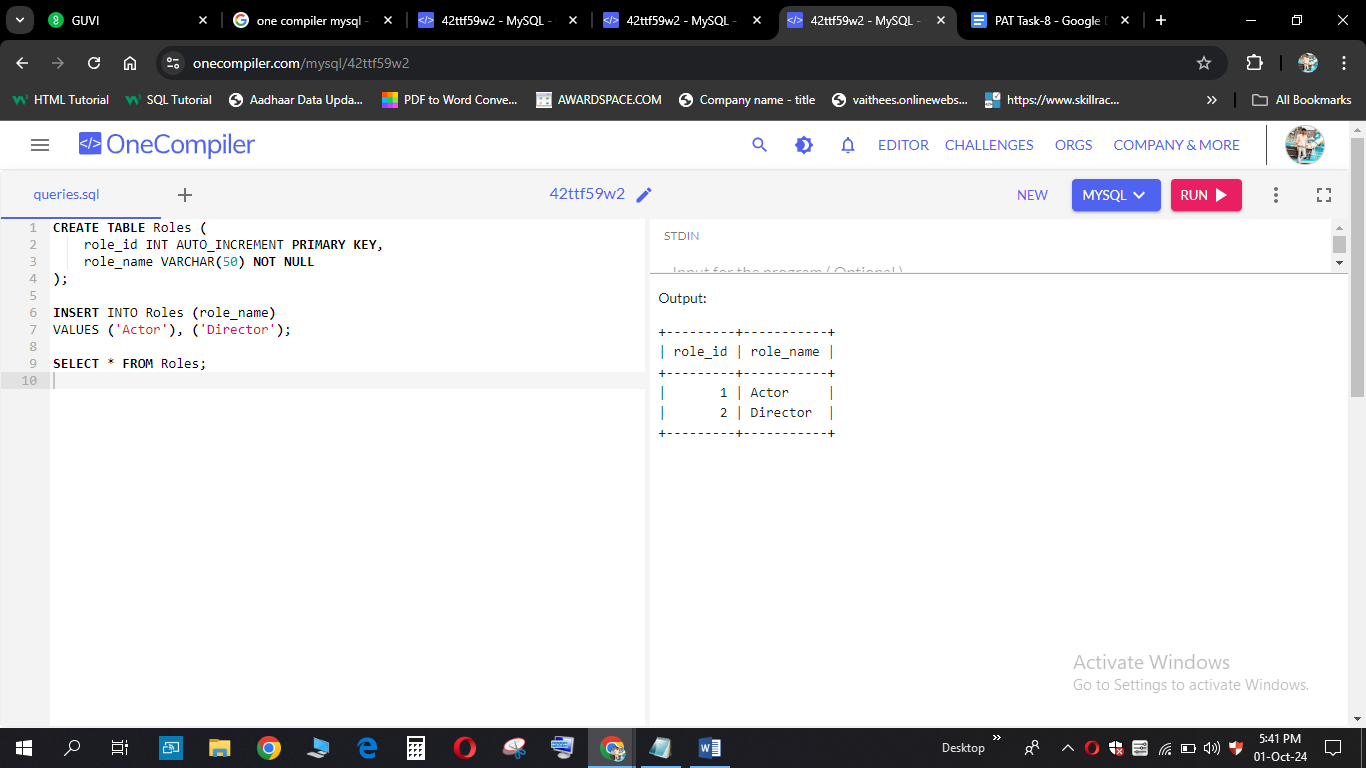
role\_name VARCHAR(50) NOT NULL

);

INSERT INTO Roles (role\_name)

VALUES ('Actor'), ('Director');

SELECT \* FROM Roles;



CREATE TABLE ArtistRoles (

movie\_id INT,

artist\_id INT,

role\_id INT,

PRIMARY KEY (movie\_id, artist\_id, role\_id),

FOREIGN KEY (movie\_id) REFERENCES Movies(movie\_id) ON DELETE CASCADE,

FOREIGN KEY (artist\_id) REFERENCES Artists(artist\_id) ON DELETE CASCADE,

FOREIGN KEY (role\_id) REFERENCES Roles(role\_id) ON DELETE CASCADE

);

INSERT INTO ArtistRoles (movie\_id, artist\_id, role\_id)

VALUES (1, 1, 1);

SELECT \* FROM ArtistRoles;

