DB-Assign\_7-DatabaseDesign-BrenoJoseGomesDeSouza-23F

Part 1:

A:

CREATE DATABASE Game\_blog;

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B:

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CREATE TABLE AuthorsTable (

Author\_ID INT NOT NULL AUTO\_INCREMENT PRIMARY KEY,

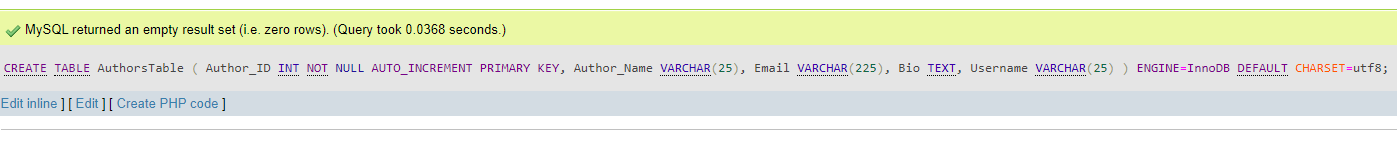
Author\_Name VARCHAR(25),

Email VARCHAR(225),

Bio TEXT,

Username VARCHAR(25)

)

ENGINE=InnoDB DEFAULT CHARSET=utf8;

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CREATE TABLE PostTable (

Post\_ID INT NOT NULL AUTO\_INCREMENT PRIMARY KEY,

Author\_ID INT,

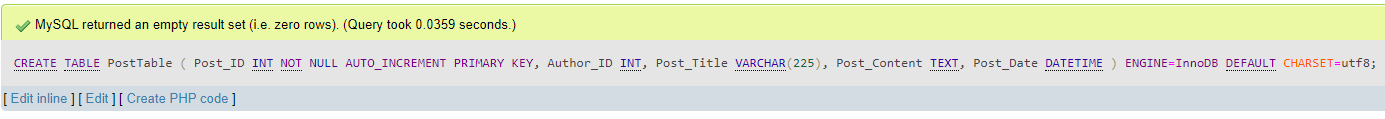
Post\_Title VARCHAR(225),

Post\_Content TEXT,

Post\_Date DATETIME

)

ENGINE=InnoDB DEFAULT CHARSET=utf8;



Part2:

A:

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Description automatically generatedCREATE TABLE Comments (

Comment\_ID INT NOT NULL AUTO\_INCREMENT PRIMARY KEY,

Author\_ID INT,

Post\_ID INT,

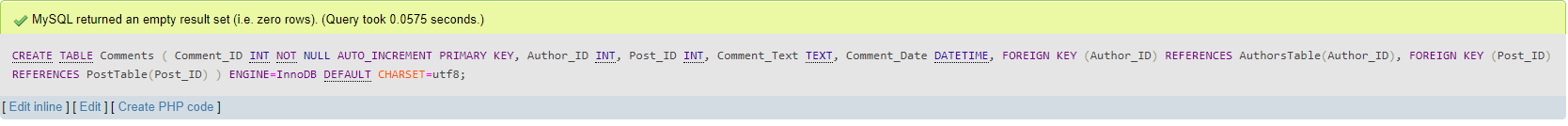
Comment\_Text TEXT,

Comment\_Date DATETIME,

FOREIGN KEY (Author\_ID) REFERENCES AuthorsTable(Author\_ID),

FOREIGN KEY (Post\_ID) REFERENCES PostTable(Post\_ID)

)

ENGINE=InnoDB DEFAULT CHARSET=utf8;

B:

INSERT INTO Comments (Author\_ID, Post\_ID, Comment\_Text, Comment\_Date)

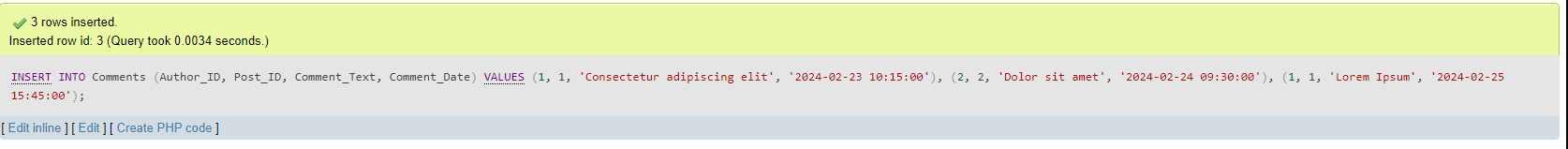
VALUES

(1, 1, 'Consectetur adipiscing elit', '2024-02-23 10:15:00'),

(2, 2, 'Dolor sit amet', '2024-02-24 09:30:00'),

(1, 1, 'Lorem Ipsum', '2024-02-25 15:45:00');

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Part3:

A:  
Since I created the table with the column “comment\_date” in part 2 A it will give me an error:  
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Instead of it, I’ll take the liberty of updating the comments table by adding a new column called “comment\_status”:

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UPDATE Comments SET Comment\_Status = 'Approved' WHERE Comment\_ID = 1;

UPDATE Comments SET Comment\_Status = 'Pending' WHERE Comment\_ID = 2;

UPDATE Comments SET Comment\_Status = 'Approved' WHERE Comment\_ID = 3;

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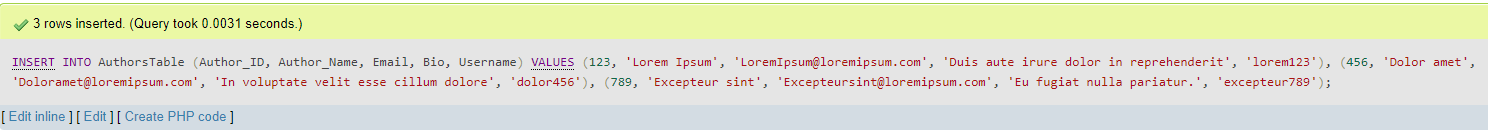
B:  
First I inserted new data on both tables->  
AuthorsTable:

INSERT INTO AuthorsTable (Author\_ID, Author\_Name, Email, Bio, Username)

VALUES

(123, 'Lorem Ipsum', 'LoremIpsum@loremipsum.com', 'Duis aute irure dolor in reprehenderit', 'lorem123'),

(456, 'Dolor amet', 'Doloramet@loremipsum.com', 'In voluptate velit esse cillum dolore', 'dolor456'),

(789, 'Excepteur sint', 'Excepteursint@loremipsum.com', 'Eu fugiat nulla pariatur.', 'excepteur789');  
  
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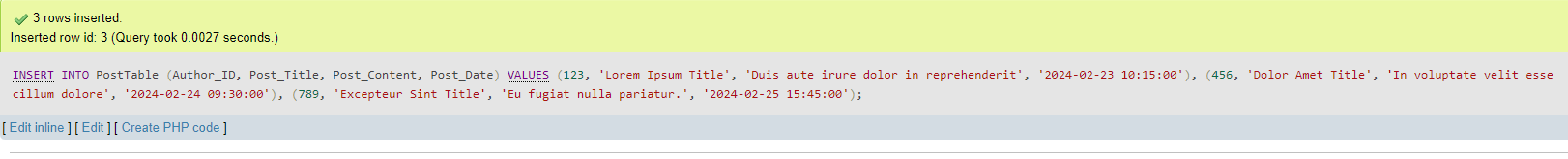
Post table :  
INSERT INTO PostTable (Author\_ID, Post\_Title, Post\_Content, Post\_Date)

VALUES

(123, 'Lorem Ipsum Title', 'Duis aute irure dolor in reprehenderit', '2024-02-23 10:15:00'),

(456, 'Dolor Amet Title', 'In voluptate velit esse cillum dolore', '2024-02-24 09:30:00'),

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Description automatically generated(789, 'Excepteur Sint Title', 'Eu fugiat nulla pariatur.', '2024-02-25 15:45:00');

Now I am able to delete the first 2 rows.

DELETE Authors, Posts, Comments

FROM AuthorsTable AS Authors

LEFT JOIN PostTable AS Posts ON Authors.Author\_ID = Posts.Author\_ID

LEFT JOIN Comments ON Posts.Post\_ID = Comments.Post\_ID

WHERE Authors.Author\_ID IN (123, 456);

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