

DBMS LAB ASSIGNMENT-2
30 January, 2023

Instructions:

- Write a query and execute and take screenshots of both query and output and make a pdf.
- You need to show a screenshot to demonstrate the correctness of your query. Please keep the pdf size optimized so you can upload the whole pdf at once.
- Submit one file .pdf file containing all answers.
- The filename should be <roll no>_assignment<number>.pdf
- Write the questions before the answers.
- Write a justification for your solution wherever asked. (simple and small)
- Complete the exercise before 5 PM and submit the pdf in moodle.
- Refer to the schema for **dvdrental** given in the demo for your understanding.

Marks Distribution is in the format **(Query + Output + Description)**

Total Marks = 50

Questions:

- Q0. Restore the dvdrental database from the tar file. (1 + 0 + 0)
- Q1. Write a query to find all the actors who have acted in the movie "Shawshank Bubble". (2 + 1 + 0)
- Q2. Write a query to find the actors whose name has 'a' in the first 2 positions or in the last 2 positions. (2 + 1 + 0)
- Q3. Display the email id of five customers by changing the domain to ".com" . (2 + 1 + 1)
- Q4. Write a query to concatenate first and last name of actors according to alphabetical order. (2 + 1 + 0)
- Q5. How many movies are offered in store1 but not in store2. Display the name of the movies offered at store 1. (3 + 1 + 1)
- Q6. Display all the pairs of actors along with their IDs whose
- a. first name matches (1 + 1 + 0)
 - b. last name matches (1 + 1 + 0)
 - c. full name matches. (1 + 1 + 0)

Q7. Write a query to find the title of films in which "Karl Berry" and "Spencer Depp" worked together. (3 + 1 + 1)

Q8. Write a query to return all the pairs of actors who have acted in the same movie. Output should look like (*Full name Actor 1, Full name Actor 2, Movie Name*) (3 + 1 + 1)

Q9. Write a query to find the films which have been rented so far and have rental rates from \$0.99 to \$3. (2 + 1 + 1)

Q10. Write a query to find the title of films offered for rent in store_id = 1 whose film category is "Comedy" and sort these films in descending order. (3 + 1 + 1)

Q11. Try to delete an actor record with film ID 117, if possible. If not, mention why? Alter the film table in such a way that the above operation gets executed. (Hint: Use CASCADE) (3 + 1 + 2)