

Project Report on Blogging Site Database

Submitted By,

Name : Avishek Roy

Roll : 1807053

Group : A2

Year : 3rd

Semester : 1st

Project Name : Blogging Site Database...

Submitted To,

1. Md. Masum Al Mesba

-- Assistant Professor

-- Department of Computer Science and Engineering

-- KUET

2. Nazia Jahan Khan Chowdhury

-- Assistant Professor

-- Department of Computer Science and Engineering

-- KUET

Objectives:

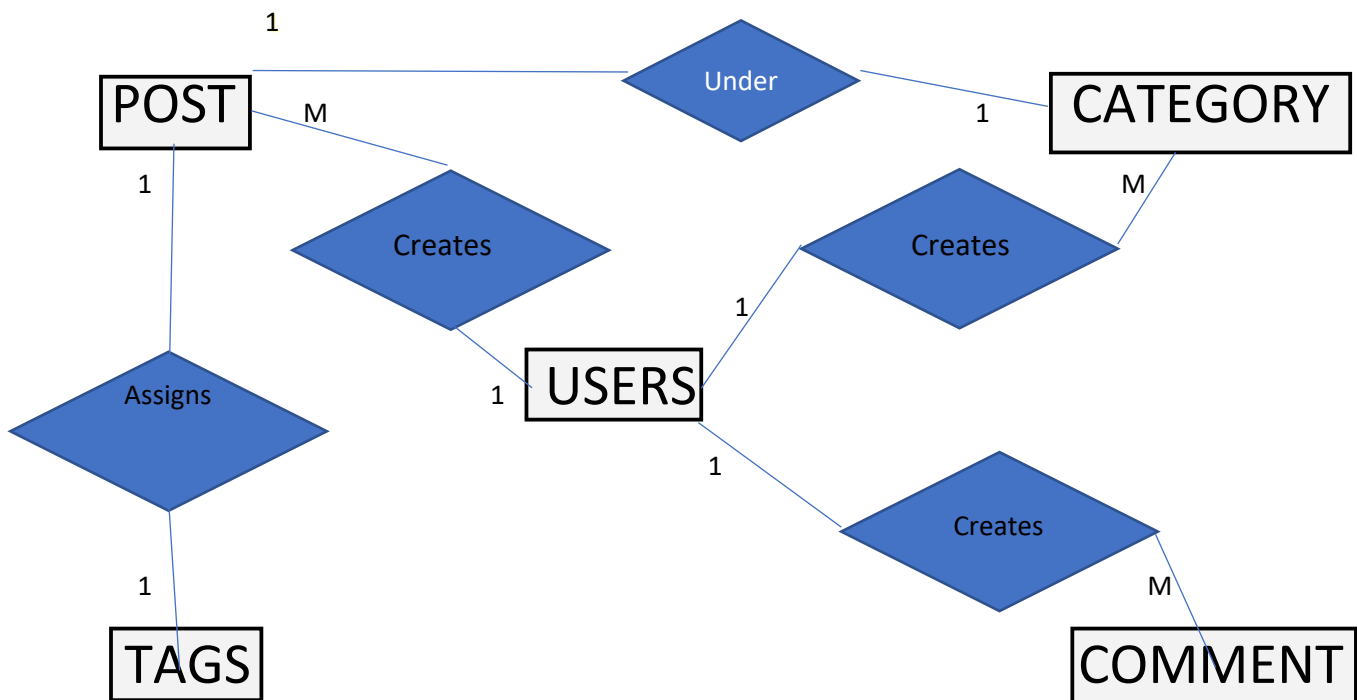
- 1) To learn about Oracle SQL Commands.
- 2) To learn about implementation of oracle SQL Commands.
- 3) To learn about pl/sql commands.
- 4) To Organize SQL Commands in a particular project.
- 5) To learn about ER Diagram and to follow the whole project according the diagram.

Project Description:

The E-R Diagram shows the brief idea of the project. Here are 5 entities in this project. They are users,post,tags,category and comments.

Here the user can create post, make comments and set categories. The posts are assigns in tags. There are several attributes of these entities. As like user includes email,id,name,password,date of birth,registration date,last login. The comment includes id,post-id,title,user-id,time,comment.Also post,category and tags also have attributes like this. All in one, the diagram connects to each other and make a working Blogging Site Database.

E-R Diagram:



Project Details :

This project has a total 13 files containing different operations..Details are given below :

No.	File Names	File Description
01	Part-01(Dropping Trigger and Tables).sql	Dropping used triggers and tables of the project to check if they exist or not..
02	Part-02(Creating Tables).sql	Creating the necessary tables..
03	Part-03(Inserting Data).sql	Inserting Data into the tables..
04	Part-04(Applicable Operations in server site projects).sql	Several operations are used to demonstrate that they can be used in backend code in server site Database implemented sql commands.. (Part-01)
05	Part-05(Applicable Operations in server site projects).sql	Several operations are used to demonstrate that they can be used in backend code in server site Database implemented sql commands.. (Part-02)
06	Part-06(Set and Join Operation Samples).sql	Set and Join operation are used for different purposes here..
07	Part-07(Administrative Play for boring times).sql	An unnecessary and interesting game was implemented for free time for an admin if they bored in works.. In here, the process generates a random number from system...According to that NUMBER a table will be selected...Then it will generate a random number again..That number will be a number in primary key...From there to last the given information will be shown...
08	Part-08(Cursor and normal loop in pl sql).sql	A cursor was implemented to see the username and password by an admin.
09	Part-09(Function in pl sql).sql	A function with parameter was implemented which returns the reverse number of a given value..
10	Part-010(Function Call in pl sql).sql	Function call was shown here..

11	Part-011(Procedure in pl sql).sql	Procedures was implemented to find the minimum id between 2 user from users table.Can be applied by reusing code for other tables too..
12	Part-012(Triiger).sql	Two triggers were created here.One for managing all the actions and other for a valid input..
13	Part-013(Transaction Management and Submissions).sql	A Transaction Management was shown here..

Discussions :

This project is all about implementing sql and pl/sql commands for oracle database.Generating idea for a blogging site database by implementing sql and pl/sql commands was hard at first.After this,several errors also occured in the time of doing the project. Day to day,the errors were solved and I finished my project successfully.