Database – MySQL

Database Name – social\_media

Query = create database social\_media

Tables: –

1. **User**

Description: User table stores details about users. User\_id is the primary key. Password is stored in encrypted string. Role can be ‘ROLE\_ADMIN’ OR ‘ROLE\_USER’.

Query:

CREATE TABLE `user` (

`user\_id` bigint NOT NULL AUTO\_INCREMENT,

`user\_name` varchar(255) DEFAULT NULL,

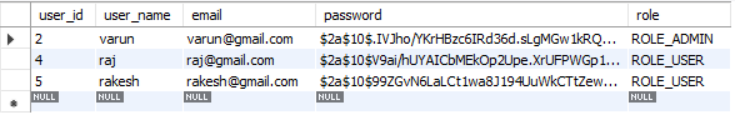
`email` varchar(255) DEFAULT NULL,

`password` varchar(255) DEFAULT NULL,

`role` varchar(255) DEFAULT NULL,

PRIMARY KEY (`user\_id`)

)



1. **Post**

Description: Post tables store post information created by the user. Post\_id is the primary key. User\_id is the foreign key which references the User\_id column of the User table. Image\_path stores the path of the uploaded image. Created\_At stores the time of post created and Updated\_at stores the time of post updated.

CREATE TABLE `post` (

`post\_id` bigint NOT NULL AUTO\_INCREMENT,

`post\_title` varchar(255) DEFAULT NULL,

`post\_content` varchar(255) DEFAULT NULL,

`user\_id` bigint NOT NULL,

`image\_path` varchar(255) DEFAULT NULL,

`created\_at` timestamp NULL DEFAULT NULL,

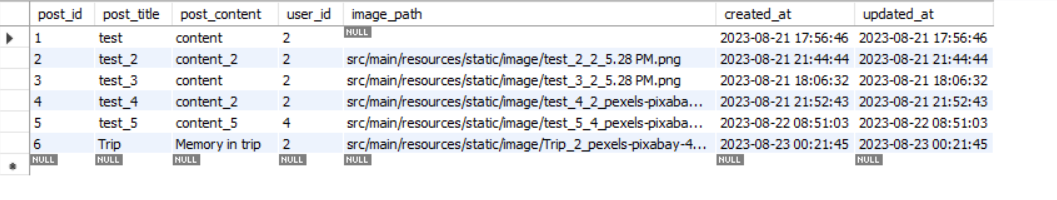
`updated\_at` timestamp NULL DEFAULT NULL,

PRIMARY KEY (`post\_id`),

KEY `user\_id` (`user\_id`),

CONSTRAINT `post\_ibfk\_1` FOREIGN KEY (`user\_id`) REFERENCES `user` (`user\_id`)

)



1. **post\_like\_dislike\_map**

Description: This table stores the like dislike information for the post and user. Foreign key User\_id references to User\_id of the User table and Post\_id references to Post\_id of the Post\_table. The liked\_Disliked\_at column stores the time when the user likes or dislikes a post.

CREATE TABLE `post\_like\_dislike\_map` (

`like\_dislike\_map\_id` bigint NOT NULL AUTO\_INCREMENT,

`post\_id` bigint NOT NULL,

`user\_id` bigint NOT NULL,

`liked` char(1) DEFAULT NULL,

`disliked` char(1) DEFAULT NULL,

`liked\_disliked\_at` timestamp NULL DEFAULT NULL,

PRIMARY KEY (`like\_dislike\_map\_id`),

KEY `user\_id` (`user\_id`),

KEY `post\_id` (`post\_id`),

CONSTRAINT `post\_like\_dislike\_map\_ibfk\_1` FOREIGN KEY (`user\_id`) REFERENCES `user` (`user\_id`),

CONSTRAINT `post\_like\_dislike\_map\_ibfk\_2` FOREIGN KEY (`post\_id`) REFERENCES `post` (`post\_id`)

)

