Excercise

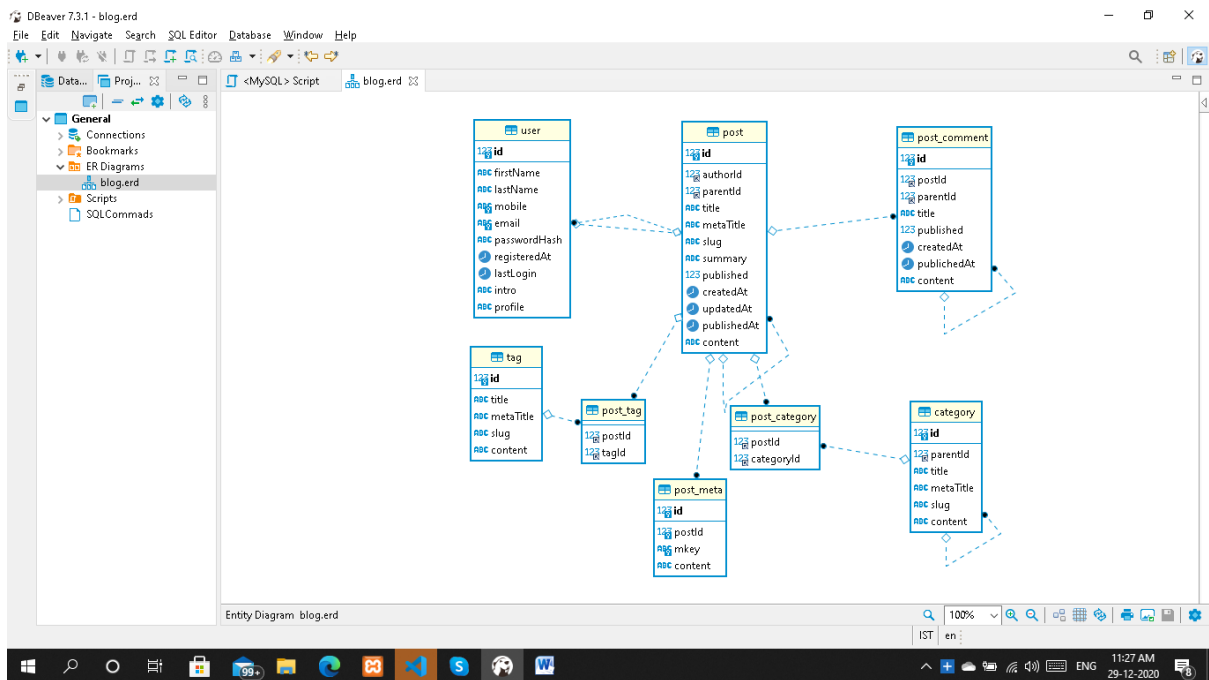## E-R Diagram :

```sql
#2 ways to add indexes...
#create index post_id_index1 on post_meta(postId);
#alter table post_meta ADD INDEX `post_id_index` (`postId`);



#EXCERCISE.......


create database blog;

use blog;

#drop table post_tag;


create table user(id bigint(20) PRIMARY key unique, firstName varchar(50),
lastName varchar(50), mobile varchar(15), email varchar(50), passwordHash
varchar(32), registeredAt datetime, lastLogin datetime, intro tinytext, profile
text, unique key unique_mobile (mobile), unique key unique_email (email));
select * from user;


create table post(id bigint(20) PRIMARY key unique, authorId bigint(20), parentId
bigint(20), title varchar(75),metaTitle varchar(100),slug varchar(100), summary
tinytext,published tinyint(1), createdAt datetime,updatedAt datetime, publishedAt
datetime,content text, foreign key (authorId) references user(id), foreign key
(parentId) references post(id));
alter table post ADD INDEX `parent_id_index` (`parentId`);
select * from post;


create table post_meta(id bigint(20) primary key, postId bigint(20),  mkey
varchar(50), content text, unique key unique_post_id (postId),unique key
unique_mkey (mkey), foreign key (postId) references post(id));
alter table post_meta ADD INDEX `post_id_index` (`postId`);
select * from post_meta ;


create table post_comment(id bigint(20) primary key, postId bigint(20), parentId
bigint(20), title varchar(100), published tinyint(1), createdAt
datetime,publichedAt datetime, content text, foreign key (postId) references
post(id),foreign key (parentId) references post_comment(id));
alter table post_comment ADD INDEX `post_id_index` (`postId`);
alter table post_comment ADD INDEX `parent_id_index` (`parentId`);
select * from post_comment ;


create table category (id bigint(20) primary key, parentId bigint(20), title
varchar(75), metaTitle varchar(100), slug varchar(100),content text , foreign key
(parentId) references category(id));
alter table category ADD INDEX `parent_id_index` (`parentId`);
select * from category;
```

```sql
create table post_category (postId bigint(20), categoryId bigint(20),foreign key
(postId) references post(id),foreign key (categoryId) references category(id));
alter table post_category ADD INDEX `category_id_index` (`categoryId`);
alter table post_category ADD INDEX `post_id_index` (`postId`);
select * from post_category ;


create table tag(id bigint(20) primary key, title varchar(75),metaTitle
varchar(100),slug varchar(100), content text );
select * from tag;


create table post_tag(postId bigint(20),tagId bigint(20),foreign key (postId)
references post(id),foreign key (tagId) references tag(id));
select * from post_tag;




#insert into user...!
insert into user
(id,firstName,lastName,mobile,email,passwordHash,registeredAt,lastLogin,intro,prof
ile) values
(1,"mayur","purushvani",9409650342,"mayurpurushvani@gmail.com","Mayur@1234","2020-
02-12 09:45:51","2020-12-28 09:45:51","This is mayur's page","This is mayur's
profile page");
insert into user
(id,firstName,lastName,mobile,email,passwordHash,registeredAt,lastLogin,intro,prof
ile) values
(2,"akshay","ardeshana",9409650423,"akshayardeshana@gmail.com","Akshay@1234","2020
-02-13 09:45:51","2020-12-29 09:45:51","This is akshay's page","This is akshay's
profile page");
insert into user
(id,firstName,lastName,mobile,email,passwordHash,registeredAt,lastLogin,intro,prof
ile) values
(3,"anjali","sharma",9409650789,"anjalisharma@gmail.com","Anjali@1234","2020-02-14
09:45:51","2020-12-30 09:45:51","This is Anjali's page","This is anjali's profile
page");
insert into user
(id,firstName,lastName,mobile,email,passwordHash,registeredAt,lastLogin,intro,prof
ile) values
(4,"vanshika","agarwal",9409658745,"vanshikaagarwal@gmail.com","Vanshika@1234","20
20-02-15 09:45:51","2020-12-31 09:45:51","This is vanshika's page","This is
vanshika's profile page");
insert into user
(id,firstName,lastName,mobile,email,passwordHash,registeredAt,lastLogin,intro,prof
ile) values (5,"jay","piparva",940967895,"jaypiparva@gmail.com","Jay@1234","2020-
02-16 09:45:51","2021-1-1 09:45:51","This is jay's page","This is jay's profile
page");
select * from user;
```

```sql
#insert into category...!
insert into category (id,parentId,title,metaTitle,slug,content) values (1,1,"This
is mayur's bestlaptopsguides blog ","mayur's
blog","https://bestlaptopsguides","This is bestlaptopsguides.com website which is
provides you a best laptops guides");
insert into category (id,parentId,title,metaTitle,slug,content) values (2,2,"This
is akshay's grillhungry blog ","akshay's blog","https://grillhungry.com/","This is
grillhungry.com website which is provides you a best grills guides");
insert into category (id,parentId,title,metaTitle,slug,content) values (3,3,"This
is anjali's mobiles blog ","anjali's blog","https://www.91mobiles.com/","This is
91mobiles.com website which is provides you a best mobiles guides");
insert into category (id,parentId,title,metaTitle,slug,content) values (4,4,"This
is vanshika's books blog ","vanshika's blog","https://jamesclear.com/","This is
jamesclear.com website which is provides you a best books guides");
insert into category (id,parentId,title,metaTitle,slug,content) values (5,5,"This
is jay's computers blog ","jay's blog","https://in.pcmag.com/","This is
in.pcmag.com website which is provides you a best computers guides");
select * from category ;


#insert into post...!
insert into
post(id,authorId,parentId,title,metaTitle,slug,summary,published,createdAt,updated
At,publishedAt,content) values (1,1,1,"This is mayur's bestlaptopsguides
blog","mayur's blog","https://bestlaptopsguides.com","mayur provides you a best
laptops guides","10","2020-02-12 09:55:51","2020-02-12 10:00:51","2020-02-12
10:10:51","This is bestlaptopsguides.com website which is provides you a best
laptops guides");
insert into
post(id,authorId,parentId,title,metaTitle,slug,summary,published,createdAt,updated
At,publishedAt,content) values (2,2,2,"This is akshay's grillhungry blog
","akshay's blog","https://grillhungry.com/","akshay provides you a best grills
guides","10","2020-02-12 09:55:51","2020-02-12 10:00:51","2020-02-12
10:10:51","This is grillhungry.com website which is provides you a best grills
guides");
insert into
post(id,authorId,parentId,title,metaTitle,slug,summary,published,createdAt,updated
At,publishedAt,content) values (3,3,3,"This is anjali's mobiles blog ","anjali's
blog","https://www.91mobiles.com/","anjali provides you a best mobiles
guides","10","2020-02-12 09:55:51","2020-02-12 10:00:51","2020-02-12
10:10:51","This is 91mobiles.com website which is provides you a best mobiles
guides");
insert into
post(id,authorId,parentId,title,metaTitle,slug,summary,published,createdAt,updated
At,publishedAt,content) values (4,4,4,"This is vanshika's books blog ","vanshika's
blog","https://jamesclear.com/","vanshika provides you a best books
guides","10","2020-02-12 09:55:51","2020-02-12 10:00:51","2020-02-12
10:10:51","This is jamesclear.com website which is provides you a best books
guides");
insert into
post(id,authorId,parentId,title,metaTitle,slug,summary,published,createdAt,updated
At,publishedAt,content) values (5,5,5,"This is jay's computers blog ","jay's
blog","https://in.pcmag.com/","jay provides you a best computers
guides","10","2020-02-12 09:55:51","2020-02-12 10:00:51","2020-02-12
10:10:51","This is in.pcmag.com website which is provides you a best computers
guides");
select * from post;
```

```sql
#insert into post_comment...!
insert into post_comment
(id,postId,parentId,title,published,createdAt,publishedAt,content) values
(1,1,1,"mayur's post comment","10","2020-02-12 09:55:51","2020-02-12
10:00:51","This is mayur's comment section");
insert into post_comment
(id,postId,parentId,title,published,createdAt,publishedAt,content) values
(2,2,2,"akshay's post comment","10","2020-02-12 09:55:51","2020-02-12
10:00:51","This is akshay's comment section");
insert into post_comment
(id,postId,parentId,title,published,createdAt,publishedAt,content) values
(3,3,3,"anjali's post comment","10","2020-02-12 09:55:51","2020-02-12
10:00:51","This is anjali's comment section");
insert into post_comment
(id,postId,parentId,title,published,createdAt,publishedAt,content) values
(4,4,4,"vanshika's post comment","10","2020-02-12 09:55:51","2020-02-12
10:00:51","This is vanshika's comment section");
insert into post_comment
(id,postId,parentId,title,published,createdAt,publishedAt,content) values
(5,5,5,"jay's post comment","10","2020-02-12 09:55:51","2020-02-12 10:00:51","This
is jay's comment section");
select * from post_comment ;


#insert into tag...!
insert into tag(id,title,metaTitle,slug,content) values (1,"This is mayur's
bestlaptopsguides blog ","mayur's blog","https://bestlaptopsguides","This is
bestlaptopsguides.com website which is provides you a best laptops guides");
insert into tag(id,title,metaTitle,slug,content) values (2,"This is akshay's
grillhungry blog ","akshay's blog","https://grillhungry.com/","This is
grillhungry.com website which is provides you a best grills guides");
insert into tag(id,title,metaTitle,slug,content) values (3,"This is anjali's
mobiles blog ","anjali's blog","https://www.91mobiles.com/","This is 91mobiles.com
website which is provides you a best mobiles guides");
insert into tag(id,title,metaTitle,slug,content) values (4,"This is vanshika's
books blog ","vanshika's blog","https://jamesclear.com/","This is jamesclear.com
website which is provides you a best books guides");
insert into tag(id,title,metaTitle,slug,content) values (5,"This is jay's
computers blog ","jay's blog","https://in.pcmag.com/","This is in.pcmag.com
website which is provides you a best computers guides");
select * from tag ;


#insert into post_tag...!
insert into post_tag (postId,tagId) values (1,1);
insert into post_tag (postId,tagId) values (2,2);
insert into post_tag (postId,tagId) values (3,3);
insert into post_tag (postId,tagId) values (4,4);
insert into post_tag (postId,tagId) values (5,5);
select * from post_tag;
```

```sql
#insert into post_meta...!
insert into post_meta (id,postId,mkey,content) values (1,1,1,"This is
bestlaptopsguides.com website which is provides you a best laptops guides");
insert into post_meta (id,postId,mkey,content) values (2,2,2,"This is
grillhungry.com website which is provides you a best grills guides");
insert into post_meta (id,postId,mkey,content) values (3,3,3,"This is
91mobiles.com website which is provides you a best mobiles guides");
insert into post_meta (id,postId,mkey,content) values (4,4,4,"This is
jamesclear.com website which is provides you a best books guides");
insert into post_meta (id,postId,mkey,content) values (5,5,5,"This is in.pcmag.com
website which is provides you a best computers guides");
select * from post_meta ;


#insert into post_category...!
insert into post_category (postId,categoryId) values (1,1);
insert into post_category (postId,categoryId) values (2,2);
insert into post_category (postId,categoryId) values (3,3);
insert into post_category (postId,categoryId) values (4,4);
insert into post_category (postId,categoryId) values (5,5);
select * from post_category ;
```