

# LAB 9 JOINS

```
mysql> use pooja_lab_9;
```

Database changed

```
mysql> create table users (
```

```
-> user_id int primary key auto_increment,  
-> username varchar(50) unique,  
-> email varchar(100)  
-> );
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> create table posts (
```

```
-> post_id int primary key auto_increment,  
-> user_id int,  
-> content text,  
-> created_at timestamp default current_timestamp,  
-> foreign key (user_id) references users(user_id)  
-> );
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> create table comments (
```

```
-> comment_id int primary key auto_increment,  
-> post_id int,  
-> user_id int,  
-> comment_text text,  
-> created_at timestamp default current_timestamp,  
-> foreign key (post_id) references posts(post_id),  
-> foreign key (user_id) references users(user_id)  
-> );
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> insert into users (username, email) values
```

```
-> ('rahul', 'rahul@in'),  
-> ('rahsal', 'rahsal@in'),  
-> ('amit', 'amit@example.in');
```

Query OK, 3 rows affected (0.02 sec)

Records: 3 Duplicates: 0 Warnings: 0

```
mysql> insert into posts (user_id, content) values
```

```
-> (1, 'namaste! this is my first post.'),  
-> (2, 'excited to be here!'),  
-> (3, 'good morning everyone!');
```

Query OK, 3 rows affected (0.01 sec)

Records: 3 Duplicates: 0 Warnings: 0

```
mysql> insert into comments (post_id, user_id, comment_text) values
```

```
-> (1, 2, 'nice post!'),
```

```
-> (1, 3, 'welcome to the platform!'),
```

```
-> (2, 1, 'great to have you here!'),
```

```
-> (3, 2, 'good morning to you too!');
```

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

```
mysql> select username, content from users natural join posts;
```

username	content
amit	good morning everyone!
rahsal	excited to be here!
rahul	namaste! this is my first post.

3 rows in set (0.01 sec)

```
mysql> select users.username, posts.content from users  
-> inner join posts on users.user_id = posts.user_id;
```

username	content
amit	good morning everyone!
rahsal	excited to be here!
rahul	namaste! this is my first post.

3 rows in set (0.00 sec)

```
mysql> select users.username, posts.content from users  
-> left join posts on users.user_id = posts.user_id;
```

username	content
amit	good morning everyone!
rahsal	excited to be here!
rahul	namaste! this is my first post.

3 rows in set (0.01 sec)

```
mysql> select users.username, posts.content from users
```

-> right join posts on users.user\_id = posts.user\_id;

username	content
rahul	namaste! this is my first post.
rahsal	excited to be here!
amit	good morning everyone!

3 rows in set (0.00 sec)

mysql> select users.username, posts.content from users

-> left join posts on users.user\_id = posts.user\_id

-> union

-> select users.username, posts.content from users

-> right join posts on users.user\_id = posts.user\_id;

username	content
amit	good morning everyone!
rahsal	excited to be here!
rahul	namaste! this is my first post.

3 rows in set (0.01 sec)

mysql> notee;