

## Submission Log

### 01. Creating tables:

#### *Creating the Loggers table:*

```
create table Loggers(  
  -> user_id int AUTO_INCREMENT NOT NULL,  
  -> first_name varchar(50) NOT NULL,  
  -> last_name varchar(50) NOT NULL,  
  -> username varchar(50) NOT NULL,  
  -> password varchar(50) NOT NULL,  
  -> dob date,  
  -> profile_photo varchar(100),  
  -> primary key (user_id)  
  -> );
```

#### *Creating the Logins table:*

```
create table Logins  
  -> (  
  -> login_id int AUTO_INCREMENT NOT NULL,  
  -> user_id int,  
  -> timestamp datetime,  
  -> ip_address varchar (45),  
  -> primary key (login_id),  
  -> foreign key (user_id) references Loggers(user_id)  
  -> );
```

### 02. Inserting data into tables:

#### *Inserting users into the Loggers table:*

```
insert into Loggers (first_name, last_name, username, password, dob, profile_photo)  
  -> values  
  -> ('Jane', 'Doe', 'jd999', 'abc12345', '1990-08-15', 'abc.jpeg'),  
  -> ('John', 'Doe', 'jd101', '123abcd', '1992-09-01', 'picture.jpeg');
```

#### *Retrieving user\_id for 'Jane Doe':*

```
select user_id from Loggers where username ='jd999';
```

#### *Retrieving user\_id for 'John Doe':*

```
select user_id from Loggers where username ='jd101';
```

***Inserting login records in Logins table:***

```
insert into Logins (user_id, timestamp, ip_address)
-> values
-> (1, '2022-05-05 14:00:00', '192.168.100.100'),
-> (2, '2022-02-04 12:30:00', '191.198.111.101'),
-> (1, '2022-06-10 08:30:00', '192.168.100.100'),
-> (1, '2022-06-11 10:15:02', '192.168.100.100'),
-> (2, '2022-08-15 09:15:31', '191.198.111.101'),
-> (2, '2022-08-16 21:00:00', '191.198.111.101'),
-> (1, '2022-08-16 21:01:00', '191.198.111.101');
```

**03. Updating data:**

```
update Loggers set username = 'jd@uregina.ca' where user_id = 1;
```

**04. Selecting data:**

***Retrieving the user\_id, first\_name and, last\_name of the user with username "jd@uregina.ca" and password "abc12345"***

```
select user_id, first_name, last_name from Loggers where username='jd@uregina.ca' and
password='abc12345';
```

***Displaying all the user details along with the number of logins of each user:***

```
select
-> L.user_id,
-> L.first_name,
-> L.last_name,
-> L.username,
-> L.password,
-> L.dob,
-> L.profile_photo,
-> count (LO.login_id) as login_count
-> from
-> Loggers L
-> left join
-> Logins LO ON L.user_id = LO.user_id
-> group by
-> L.user_id;
```

***Retrieving the last 3 logins for Jane Doe (user\_id=1) in descending order:***

```
select timestamp, ip_address from Logins where user_id = 1
-> order by timestamp desc
-> limit 3;
```

