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CREATE DATABASE, CREATE TABLE, KEY CONSTRAINTS

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left lists various databases, including 'Cloud'. The main editor window contains the following SQL code:

```
1 • CREATE DATABASE Cloud;
2
3 • USE Cloud;
4
5 • CREATE TABLE User(
6     user_id INT PRIMARY KEY,
7     user_name VARCHAR(255) UNIQUE,
8     email_id VARCHAR(255) UNIQUE,
9     mobile_number VARCHAR(255) UNIQUE,
10    address VARCHAR(255),
11    company_name VARCHAR(255)
12 );
```

The 'Action Output' pane at the bottom shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	20:26:56	USE Cloud	0 row(s) affected	0.00022 sec
2	20:33:06	CREATE TABLE User(user_id INT PRIMARY KEY, u...	0 row(s) affected	0.391 sec

Query Completed

ALTER TABLE, MODIFY, CHECK, CONSTRAINTS

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left lists various databases, including 'Cloud'. The main editor window contains the following SQL code:

```
18
19 • ALTER TABLE User
20 ADD COLUMN manager_id INT,
21 ADD FOREIGN KEY (manager_id) REFERENCES Manager(manager_id),
22 MODIFY user_name VARCHAR(20) NOT NULL,
23 MODIFY user_id INT AUTO_INCREMENT,
24 MODIFY email_id VARCHAR(255) NOT NULL,
25 MODIFY mobile_number VARCHAR(10) NOT NULL,
26 ADD CHECK (char_length(mobile_number) = 10 OR char_length(mobile_number) = 12);
27
28
29
30
31
32
33
34
35
36
37
```

The 'Action Output' pane at the bottom shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	21:00:18	ALTER TABLE User ADD COLUMN manager_id INT, ADD...	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	1.407 sec

Query Completed

INSERT INTO

The screenshot shows the MySQL Workbench interface with a query window titled 'assg3*' containing the following SQL code:

```
74 • INSERT INTO Manager ( manager_id, manager_name)
75 VALUES
76 ( 1 , "Ramesh" ),
77 ( 2 , "Suresh" ),
78 ( 3 , "Mahesh" ),
79 ( 4 , "Rajesh" ),
80 ( 5 , "Ganesh" );
81
82
83
84
85
86
87
88
89
90
91
```

The 'Object Info' pane on the left shows the 'Schema: Cloud' structure, including tables like 'Manager' with columns 'manager_id' and 'manager_name'.

The 'Action Output' pane at the bottom displays the execution results:

#	Time	Action	Message	Duration / Fetch
1	21:37:18	INSERT INTO Manager (manager_id, manager_name)...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.089 sec

Query Completed

SELECT

The screenshot shows the MySQL Workbench interface with a query window titled 'assg3*' containing the following SQL code:

```
100
101 • INSERT INTO Manager (manager_id, manager_name)
102 VALUES
103 ( 6 , "John" );
104
105 • SELECT * FROM Manager;
106
107
```

The 'Object Info' pane on the left shows the 'Schema: Cloud' structure, including tables like 'Manager' with columns 'manager_id', 'manager_name', 'address', 'company_name', and 'manager_id'.

The 'Result Grid' pane displays the results of the queries:

#	manager_id	manager_name
1	1	Ramesh
2	2	Manager 2
3	3	Mahesh
4	4	Rajesh
5	5	Ganesh
6	6	John

The 'Action Output' pane at the bottom displays the execution results:

#	Time	Action	Message	Duration / Fetch
6	21:53:12	select count(*) from Manager LIMIT 0, 1000	1 row(s) returned	0.00033 sec / 0.0...
7	21:53:29	select count(*) from Manager where manager_id = N...	1 row(s) returned	0.00028 sec / 0.0...
8	22:02:39	INSERT INTO Manager (manager_id, manager_name) ...	1 row(s) affected	0.073 sec
9	22:02:55	SELECT * FROM Manager LIMIT 0, 1000	6 row(s) returned	0.00050 sec / 0.0...

Query Completed

DELETE, WHERE

The screenshot shows the MySQL Workbench interface. The 'Schemas' tab is active, displaying a tree view of the database structure. The 'Query' tab is selected, showing a SQL query: `DELETE FROM Manager WHERE manager_id = 6;`. The 'Result Grid' shows the results of the query, with 1 row affected. The 'Action Output' tab shows the execution details of the query, including the time taken and the number of rows affected.

Query:

```
DELETE FROM Manager
WHERE manager_id = 6;
```

Result Grid:

#	manager_id	manager_name
1	1	Ramesh
2	2	Manager 2
3	3	Mahesh
4	4	Rajesh
5	5	Ganesh

Action Output:

#	Time	Action	Message	Duration / Fetch
8	22:02:39	INSERT INTO Manager (manager_id, manager_name) ...	1 row(s) affected	0.073 sec
9	22:02:55	SELECT * FROM Manager LIMIT 0, 1000	6 row(s) returned	0.00050 sec / 0.0...
10	22:04:03	DELETE FROM Manager WHERE manager_id = 6	1 row(s) affected	0.098 sec
11	22:04:35	SELECT * FROM Manager LIMIT 0, 1000	5 row(s) returned	0.00033 sec / 0.0...

UPDATE

The screenshot shows the MySQL Workbench interface. The 'Schemas' tab is active, displaying a tree view of the database structure. The 'Query' tab is selected, showing a SQL query: `UPDATE Manager SET manager_name = 'Manager 1' WHERE manager_id = 1;`. The 'Result Grid' shows the results of the query, with 1 row affected. The 'Action Output' tab shows the execution details of the query, including the time taken and the number of rows affected.

Query:

```
UPDATE Manager SET manager_name = "Manager 1" WHERE manager_id = 1;
UPDATE Manager SET manager_name = "Manager 2" WHERE manager_id = 2;
UPDATE Manager SET manager_name = "Manager 3" WHERE manager_id = 3;
UPDATE Manager SET manager_name = "Manager 4" WHERE manager_id = 4;
UPDATE Manager SET manager_name = "Manager 5" WHERE manager_id = 5;
```

Result Grid:

#	manager_id	manager_name
1	1	Manager 1
2	2	Manager 2
3	3	Manager 3
4	4	Manager 4
5	5	Manager 5

Action Output:

#	Time	Action	Message	Duration / Fetch
23	22:10:13	UPDATE Manager SET manager_name = "Manager 4" ...	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.078 sec
24	22:10:13	UPDATE Manager SET manager_name = "Manager 5" ...	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.089 sec
25	22:10:15	SELECT * FROM Manager LIMIT 0, 1000	5 row(s) returned	0.00040 sec / 0.0...

sysdate() for derived attribute and expiry date is derived from initiation date

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'Contact_Details' selected. The main editor shows a query that inserts five rows into the 'User_Login' table, each with a unique password and a calculated expiry date based on the initiation date plus 35 days. The 'Result Grid' shows the executed query and its output, which is a table with 5 rows and 4 columns: user_id, password, initiation_date_time, and expiry_date_time. The 'Object Info' pane shows the structure of the 'Contact_Details' table, including columns 'user_name' and 'mobile_number'.

```
129
130 • INSERT INTO User_Login ( user_id, password, initiation_date_time, expiry_date_time)
131 VALUES
132 ( 1, "password1", sysdate(), initiation_date_time + INTERVAL 35 DAY),
133 ( 2, "password2", sysdate(), initiation_date_time + INTERVAL 35 DAY),
134 ( 3, "password3", sysdate(), initiation_date_time + INTERVAL 35 DAY),
135 ( 4, "password4", sysdate(), initiation_date_time + INTERVAL 35 DAY),
136 ( 5, "password5", sysdate(), initiation_date_time + INTERVAL 35 DAY);
137
```

#	user_id	password	initiation_date_time	expiry_date_time
1	1	password1	2021-09-06 22:24:43	2021-10-11 22:24:43
2	2	password2	2021-09-06 22:24:43	2021-10-11 22:24:43
3	3	password3	2021-09-06 22:24:43	2021-10-11 22:24:43
4	4	password4	2021-09-06 22:24:43	2021-10-11 22:24:43
5	5	password5	2021-09-06 22:24:43	2021-10-11 22:24:43

#	Time	Action	Message	Duration / Fetch
72	23:12:18	SELECT manager_id, count(*) FROM User GROUP BY ...	5 row(s) returned	0.00035 sec / 0.0...
73	23:14:02	SELECT manager_id, count(*) AS Users FROM User GR...	4 row(s) returned	0.00042 sec / 0.0...
74	23:15:28	SELECT * FROM User UNION SELECT * FROM Transac...	Error Code: 1222. The used SELECT statements...	0.00020 sec
75	23:16:42	SELECT user_id FROM User UNION SELECT file_id FR...	6 row(s) returned	0.00090 sec / 0.0...
76	23:25:26	SELECT * FROM User_Login LIMIT 0, 1000	5 row(s) returned	0.00029 sec / 0.0...
77	23:25:55	SELECT * FROM User_Login LIMIT 0, 1000	5 row(s) returned	0.00027 sec / 0.00...

EXISTS

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'User' selected. The main editor shows a query that selects all columns from the 'User' table where there exists a company name in the 'User' table that matches 'TCS'. The 'Result Grid' shows the executed query and its output, which is a table with 6 columns: user_id, user_name, email_id, mobile_number, address, and company_name. The 'Object Info' pane shows the structure of the 'User' table, including columns 'user_id', 'user_name', 'email_id', 'mobile_number', 'address', and 'company_name'.

```
152 • SELECT * FROM User
153 WHERE EXISTS (SELECT company_name from User WHERE company_name = 'TCS')
154
155
156
157
158
159
160
161
162
```

#	user_id	user_name	email_id	mobile_number	address	company_name	manager_id
56							
57							
58							

#	Time	Action	Message	Duration / Fetch
56	22:50:45	INSERT INTO Transaction (user_id, file_id, transaction...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.089 sec
57	22:56:30	SELECT * FROM User WHERE EXISTS (SELECT company...	6 row(s) returned	0.00052 sec / 0.0...
58	22:56:42	SELECT * FROM User WHERE EXISTS (SELECT company...	0 row(s) returned	0.00073 sec / 0.00...

VIEWS

Activities MySQL Workbench Mon Sep 6 11:01:55 PM

Local instance 3306 - Warning - not supported

File Edit View Query Database Server Tools Scripting Help

Administration Schemas

SCHEMAS

Filter objects

- Indexes
- Foreign Keys
- Triggers
- User Login
- Views
 - Contact_Details
 - user_name
 - mobile_number
- Stored Procedures
- Functions
- dump
- mydb
- newdb
- phpmyadmin

Object Info Session

View: Contact_Details

Columns:

- user_name varchar(20)
- mobile_number varchar(10)

Query Completed

assg3* x SQL File 3* x

Limit to 1000 rows

```
155 CREATE VIEW Contact_Details AS
156 SELECT user_name, mobile_number FROM User;
157
158 SELECT * FROM Contact_Details;
159
160
161
162
163
```

Result Grid

#	user_name	mobile_number
1	User 1	1234567891
2	User 2	1234567892
3	User 3	1234567893
4	User 4	1234567894
5	User 5	1234567895
6	User 6	1234567896

Export: Wrap Cell Content: [...](#)

Read Only

Form Editor

Object Info Session

View: Contact_Details

Columns:

- user_name varchar(20)
- mobile_number varchar(10)

Query Completed

Action Output

#	Time	Action	Message	Duration / Fetch
57	22:56:30	SELECT * FROM User WHERE EXISTS (SELECT company...	6 row(s) returned	0.00052 sec / 0.0...
58	22:56:42	SELECT * FROM User WHERE EXISTS (SELECT company...	0 row(s) returned	0.00073 sec / 0.0...
59	23:00:16	CREATE VIEW Contact_Details AS SELECT user_name, ...	0 row(s) affected	0.048 sec
60	23:00:37	SELECT * FROM Contact_Details LIMIT 0, 1000	Error Code: 1146. Table 'Cloud.Contact_Detai...	0.00026 sec
61	23:00:44	SELECT * FROM Contact_Details LIMIT 0, 1000	Error Code: 1146. Table 'Cloud.Contact_Detai...	0.00036 sec
62	23:01:51	SELECT * FROM Contact_Details LIMIT 0, 1000	6 row(s) returned	0.00039 sec / 0.0...

INNER JOIN

Activities MySQL Workbench Mon Sep 6 11:07:38 PM

Local instance 3306 - Warning - not supported

File Edit View Query Database Server Tools Scripting Help

Administration Schemas

SCHEMAS

Filter objects

- Indexes
- Foreign Keys
- Triggers
- User Login
- Views
 - Contact_Details
 - user_name
 - mobile_number
- Stored Procedures
- Functions
- dump
- mydb
- newdb
- phpmyadmin

Object Info Session

View: Contact_Details

Columns:

- user_name varchar(20)
- mobile_number varchar(10)

Query Completed

assg3* x SQL File 3* x

Limit to 1000 rows

```
159 SELECT T1.user_id, T2.file_id FROM User T1 INNER JOIN Transaction T2 ON T1.user_id=T2.user_id;
160
161
162
163
164
165
166
167
```

Result Grid

#	user_id	file_id
1	1	1
2	3	2
3	4	3

Export: Wrap Cell Content: [...](#)

Read Only

Form Editor

Object Info Session

View: Contact_Details

Columns:

- user_name varchar(20)
- mobile_number varchar(10)

Query Completed

Action Output

#	Time	Action	Message	Duration / Fetch
61	23:00:44	SELECT * FROM Contact_Details LIMIT 0, 1000	Error Code: 1146. Table 'Cloud.Contact_Detai...	0.00036 sec
62	23:01:51	SELECT * FROM Contact_Details LIMIT 0, 1000	6 row(s) returned	0.00039 sec / 0.0...
63	23:06:04	SELECT T1.user_id, T2.manager_id FROM User T1 INN...	4 row(s) returned	0.00047 sec / 0.0...
64	23:06:46	SELECT T1.user_id, T2.file_id FROM User T1 INNER JOI...	Error Code: 1054. Unknown column 'T2.file_id' ...	0.00024 sec
65	23:07:13	SELECT T1.user_id, T2.file_id FROM User T1 INNER JOI...	Error Code: 1054. Unknown column 'T2.file_id' ...	0.00026 sec
66	23:07:31	SELECT T1.user_id, T2.file_id FROM User T1 INNER JOI...	3 row(s) returned	0.00041 sec / 0.00...

LEFT JOIN

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
SELECT T1.user_id, T2.file_id FROM User T1 LEFT JOIN Transaction T2 ON T1.user_id=T2.user_id;
```

The Results pane displays the query results in a grid format:

#	user_id	file_id
1	1	1
2	3	2
3	4	3
4	2	
5	5	
6	6	

The Action Output pane shows the execution log:

#	Time	Action	Message	Duration / Fetch
62	23:01:51	SELECT * FROM Contact_Details LIMIT 0, 1000	6 row(s) returned	0.00039 sec / 0.0...
63	23:06:04	SELECT T1.user_id, T2.manager_id FROM User T1 INN...	4 row(s) returned	0.00047 sec / 0.00...
64	23:06:46	SELECT T1.user_id, T2.file_id FROM User T1 INNER JOI...	Error Code: 1054. Unknown column 'T2.file_id' ...	0.00024 sec
65	23:07:13	SELECT T1.user_id, T2.file_id FROM User T1 INNER JOI...	Error Code: 1054. Unknown column 'T2.file_id' ...	0.00026 sec
66	23:07:31	SELECT T1.user_id, T2.file_id FROM User T1 INNER JOI...	3 row(s) returned	0.00041 sec / 0.00...
67	23:07:56	SELECT T1.user_id, T2.file_id FROM User T1 LEFT JOIN ...	6 row(s) returned	0.00045 sec / 0.0...

RIGHT JOIN

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
SELECT T1.user_id, T2.file_id FROM User T1 RIGHT JOIN Transaction T2 ON T1.user_id=T2.user_id;
```

The Results pane displays the query results in a grid format:

#	user_id	file_id
1	1	1
2	3	2
3	4	3

The Action Output pane shows the execution log:

#	Time	Action	Message	Duration / Fetch
63	23:06:04	SELECT T1.user_id, T2.manager_id FROM User T1 INN...	4 row(s) returned	0.00047 sec / 0.00...
64	23:06:46	SELECT T1.user_id, T2.file_id FROM User T1 INNER JOI...	Error Code: 1054. Unknown column 'T2.file_id' ...	0.00024 sec
65	23:07:13	SELECT T1.user_id, T2.file_id FROM User T1 INNER JOI...	Error Code: 1054. Unknown column 'T2.file_id' ...	0.00026 sec
66	23:07:31	SELECT T1.user_id, T2.file_id FROM User T1 INNER JOI...	3 row(s) returned	0.00041 sec / 0.00...
67	23:07:56	SELECT T1.user_id, T2.file_id FROM User T1 LEFT JOIN ...	6 row(s) returned	0.00045 sec / 0.0...
68	23:08:28	SELECT T1.user_id, T2.file_id FROM User T1 RIGHT JOI...	3 row(s) returned	0.00031 sec / 0.00...

CROSS JOIN

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'Contact_Details' selected. The main editor shows a SQL query with three statements: a LEFT JOIN, a RIGHT JOIN, and a CROSS JOIN. The 'Result Grid' shows the output of the CROSS JOIN query, which is a table with 3 rows and 3 columns: user_id, file_id, and id. The 'Action Output' pane shows the execution log for the CROSS JOIN query, indicating it returned 3 rows in 0.00037 seconds.

```
SELECT T1.user_id, T2.file_id FROM User T1 LEFT JOIN Transaction T2 ON T1.user_id=T2.user_id;
SELECT T1.user_id, T2.file_id FROM User T1 RIGHT JOIN Transaction T2 ON T1.user_id=T2.user_id;
SELECT T1.user_id, T2.file_id FROM User T1 CROSS JOIN Transaction T2 ON T1.user_id=T2.user_id;
```

#	user_id	file_id	id
1	1	1	1
2	3	2	2
3	4	3	3

#	Time	Action	Message	Duration / Fetch
65	23:07:13	SELECT T1.user_id, T2.file_id FROM User T1 INNER JOIN...	Error Code: 1054. Unknown column 'T2.file_id' ...	0.00026 sec
66	23:07:31	SELECT T1.user_id, T2.file_id FROM User T1 INNER JOIN...	3 row(s) returned	0.00041 sec / 0.00...
67	23:07:56	SELECT T1.user_id, T2.file_id FROM User T1 LEFT JOIN ...	6 row(s) returned	0.00045 sec / 0.0...
68	23:08:28	SELECT T1.user_id, T2.file_id FROM User T1 RIGHT JOIN ...	3 row(s) returned	0.00031 sec / 0.00...
69	23:08:57	SELECT T1.user_id, T2.file_id FROM User T1 OUTER JOIN...	Error Code: 1064. You have an error in your SQ...	0.00023 sec
70	23:09:15	SELECT T1.user_id, T2.file_id FROM User T1 CROSS JOIN...	3 row(s) returned	0.00037 sec / 0.00...

GROUP BY

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'Contact_Details' selected. The main editor shows a SQL query with a GROUP BY statement. The 'Result Grid' shows the output of the GROUP BY query, which is a table with 5 rows and 2 columns: manager_id and count(*). The 'Action Output' pane shows the execution log for the GROUP BY query, indicating it returned 5 rows in 0.00035 seconds.

```
SELECT manager_id, count(*) FROM User
GROUP BY manager_id;
```

#	manager_id	count(*)
1	1	2
2	2	1
3	3	1
4	4	1
5	5	1

#	Time	Action	Message	Duration / Fetch
67	23:07:56	SELECT T1.user_id, T2.file_id FROM User T1 LEFT JOIN ...	6 row(s) returned	0.00045 sec / 0.0...
68	23:08:28	SELECT T1.user_id, T2.file_id FROM User T1 RIGHT JOIN...	3 row(s) returned	0.00031 sec / 0.00...
69	23:08:57	SELECT T1.user_id, T2.file_id FROM User T1 OUTER JOIN...	Error Code: 1064. You have an error in your SQ...	0.00023 sec
70	23:09:15	SELECT T1.user_id, T2.file_id FROM User T1 CROSS JOIN...	3 row(s) returned	0.00037 sec / 0.00...
71	23:11:30	SELECT * FROM User GROUP BY manager_id LIMIT 0, ...	5 row(s) returned	0.00030 sec / 0.0...
72	23:12:18	SELECT manager_id, count(*) FROM User GROUP BY ...	5 row(s) returned	0.00035 sec / 0.0...

HAVING

The screenshot shows MySQL Workbench with a query executed in the SQL File 3* tab. The query is:

```
SELECT manager_id, count(*) AS Users FROM User
GROUP BY manager_id
HAVING Users < 2;
```

The result grid shows 4 rows of data:

#	manager_id	Users
1	2	1
2	3	1
3	4	1
4	5	1

The Action Output tab shows the execution log for the query, including the time taken and the number of rows returned.

#	Time	Action	Message	Duration / Fetch
68	23:08:28	SELECT T1.user_id, T2.file_id FROM User T1 RIGHT JOI...	3 row(s) returned	0.00031 sec / 0.00...
69	23:08:57	SELECT T1.user_id, T2.file_id FROM User T1 OUTER JOI...	Error Code: 1064. You have an error in your SQL...	0.00023 sec
70	23:09:15	SELECT T1.user_id, T2.file_id FROM User T1 CROSS JOI...	3 row(s) returned	0.00037 sec / 0.00...
71	23:11:30	SELECT * FROM User GROUP BY manager_id LIMIT 0, ...	5 row(s) returned	0.00030 sec / 0.0...
72	23:12:18	SELECT manager_id, count(*) FROM User GROUP BY ...	5 row(s) returned	0.00035 sec / 0.0...
73	23:14:02	SELECT manager_id, count(*) AS Users FROM User GR...	4 row(s) returned	0.00042 sec / 0.0...

UNION

The screenshot shows MySQL Workbench with a query executed in the SQL File 3* tab. The query is:

```
SELECT user_id FROM User
UNION
SELECT file_id FROM Transaction ;
```

The result grid shows 6 rows of data:

#	user_id
1	1
2	2
3	3
4	4
5	5
6	6

The Action Output tab shows the execution log for the query, including the time taken and the number of rows returned.

#	Time	Action	Message	Duration / Fetch
70	23:09:15	SELECT T1.user_id, T2.file_id FROM User T1 CROSS JOI...	3 row(s) returned	0.00037 sec / 0.00...
71	23:11:30	SELECT * FROM User GROUP BY manager_id LIMIT 0, ...	5 row(s) returned	0.00030 sec / 0.0...
72	23:12:18	SELECT manager_id, count(*) FROM User GROUP BY ...	5 row(s) returned	0.00035 sec / 0.0...
73	23:14:02	SELECT manager_id, count(*) AS Users FROM User GR...	4 row(s) returned	0.00042 sec / 0.0...
74	23:15:28	SELECT * FROM User UNION SELECT * FROM Transac...	Error Code: 1222. The used SELECT statements...	0.00020 sec
75	23:16:42	SELECT user_id FROM User UNION SELECT file_id FR...	6 row(s) returned	0.00090 sec / 0.0...

MIN

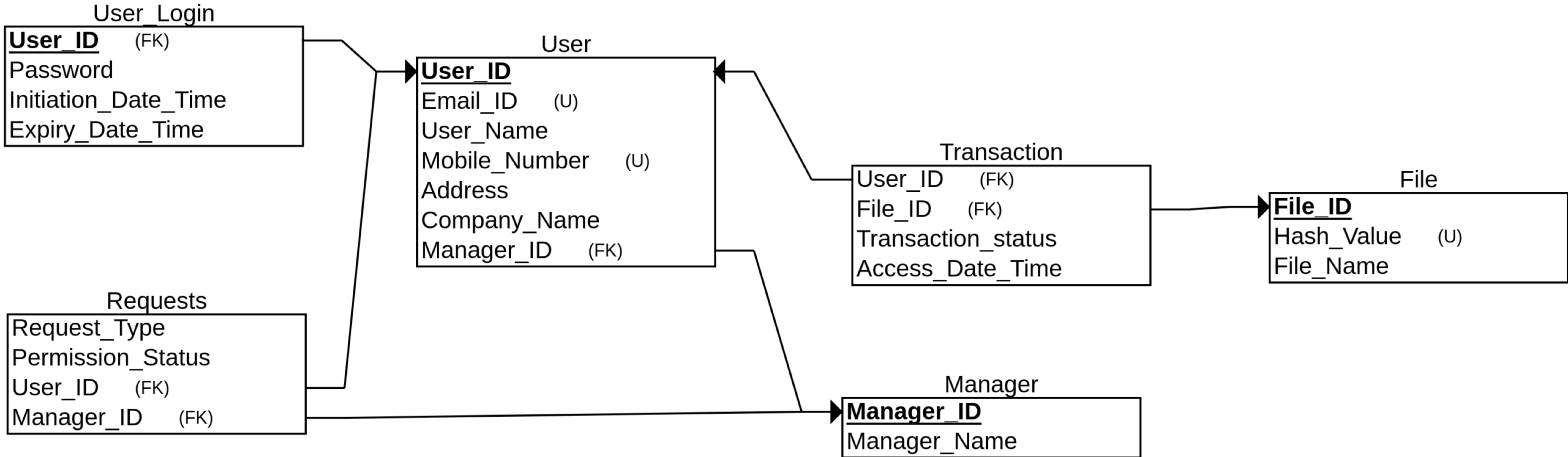
The screenshot shows MySQL Workbench with a query window titled 'assg3*' containing the SQL statement: `SELECT MIN(user_id) FROM User;`. The 'Result Grid' shows a single row with the value 1. The 'Action Output' table below the grid provides a detailed log of the query execution.

#	Time	Action	Message	Duration / Fetch
77	23:25:55	SELECT * FROM User_Login LIMIT 0, 1000	5 row(s) returned	0.00027 sec / 0.00...
78	23:29:55	SELECT user_id FROM User UNION SELECT file_id FR...	6 row(s) returned	0.00048 sec / 0.00...
79	23:30:13	SELECT * FROM User UNION SELECT * FROM Transact...	Error Code: 1222. The used SELECT statements...	0.00032 sec
80	23:30:18	SELECT user_id FROM User UNION SELECT file_id FR...	6 row(s) returned	0.00037 sec / 0.00...
81	23:42:46	SELECT manager_id, max(user_id) AS Users FROM Us...	5 row(s) returned	0.00031 sec / 0.00...
82	23:44:32	SELECT MIN(user_id) FROM User LIMIT 0, 1000	1 row(s) returned	0.00020 sec / 0.00...

MAX

The screenshot shows MySQL Workbench with a query window titled 'assg3*' containing the SQL statement: `SELECT MAX(user_id) FROM User;`. The 'Result Grid' shows a single row with the value 6. The 'Action Output' table below the grid provides a detailed log of the query execution.

#	Time	Action	Message	Duration / Fetch
78	23:29:55	SELECT user_id FROM User UNION SELECT file_id FR...	6 row(s) returned	0.00048 sec / 0.00...
79	23:30:13	SELECT * FROM User UNION SELECT * FROM Transact...	Error Code: 1222. The used SELECT statements...	0.00032 sec
80	23:30:18	SELECT user_id FROM User UNION SELECT file_id FR...	6 row(s) returned	0.00037 sec / 0.00...
81	23:42:46	SELECT manager_id, max(user_id) AS Users FROM Us...	5 row(s) returned	0.00031 sec / 0.00...
82	23:44:32	SELECT MIN(user_id) FROM User LIMIT 0, 1000	1 row(s) returned	0.00020 sec / 0.00...
83	23:45:40	SELECT MAX(user_id) FROM User LIMIT 0, 1000	1 row(s) returned	0.00025 sec / 0.00...



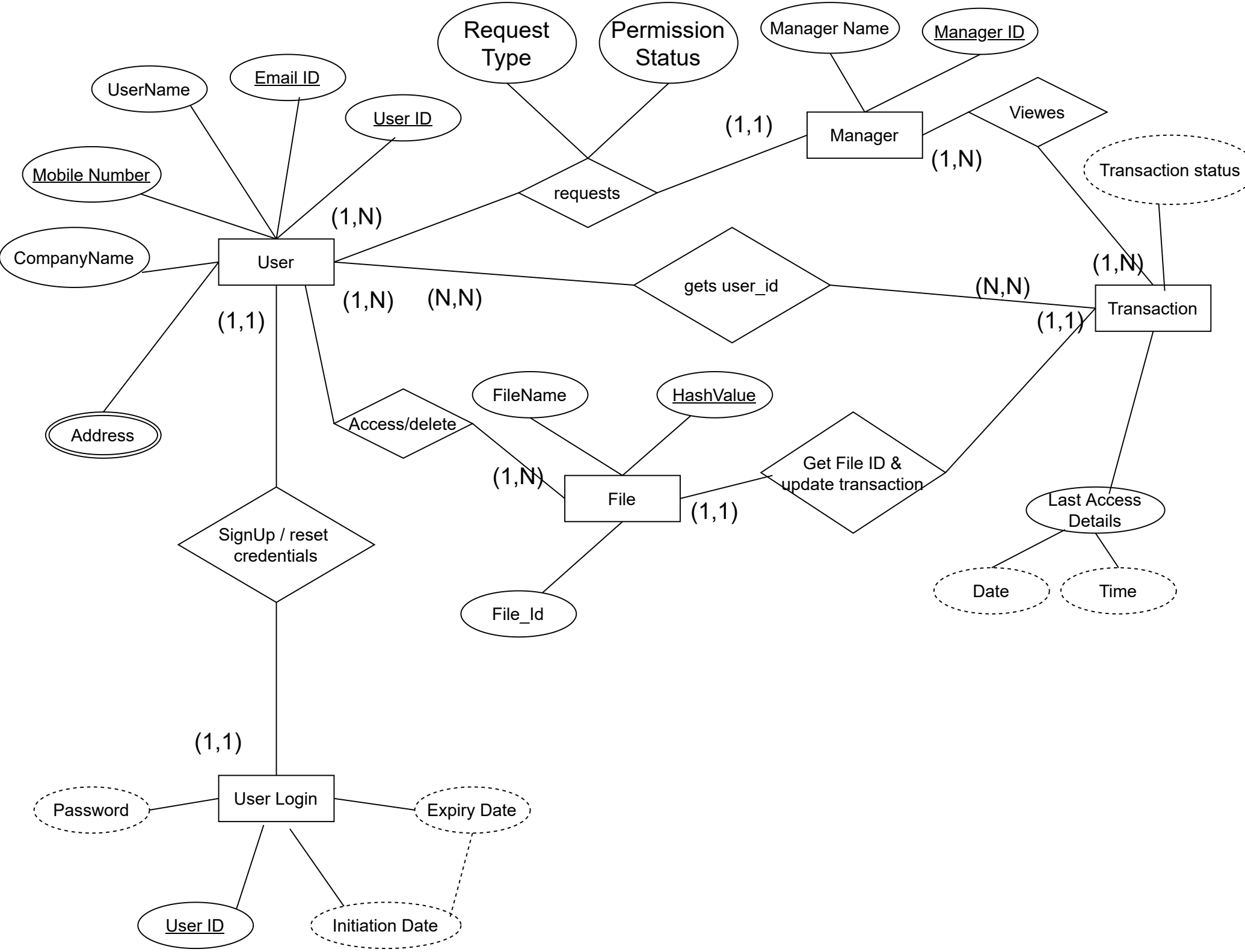


Table name: User
manager id = FK
User ID = PK
Mobile Number = Unique
Email ID = Unique

Table name: File
Hash Value = PK
(Component attribute of Last
Access Details) User ID = FK

Table name: Transaction
Manager ID = FK
File ID = FK
User ID = FK

Table name: Manager
Manager ID = PK
User ID = FK

Table name: User Login
User ID = PK