

# CLIENT MANAGEMENT SYSTEM

## USING MYSQL

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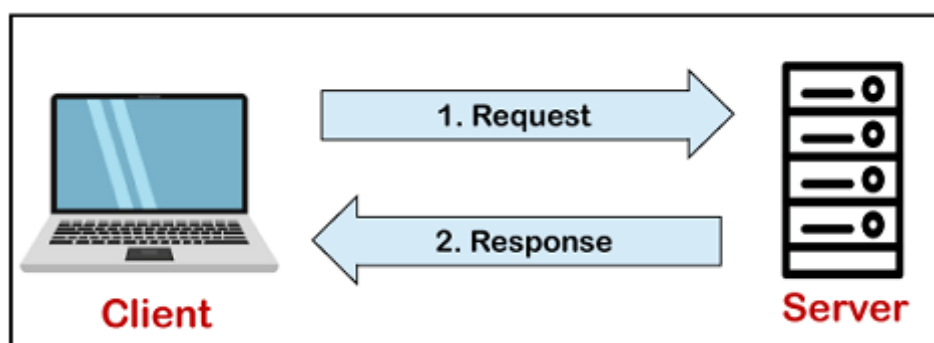
Batch No: BH09

Project Name: Client Management Database System.

**SQL (Structured Query Language)**, which stands for Structured Query Language, is a domain-specific language used for managing and manipulating relational databases. SQL is used to perform operations on the records stored in the database, such as updating records, inserting records, deleting records, creating and modifying database tables, views, etc.

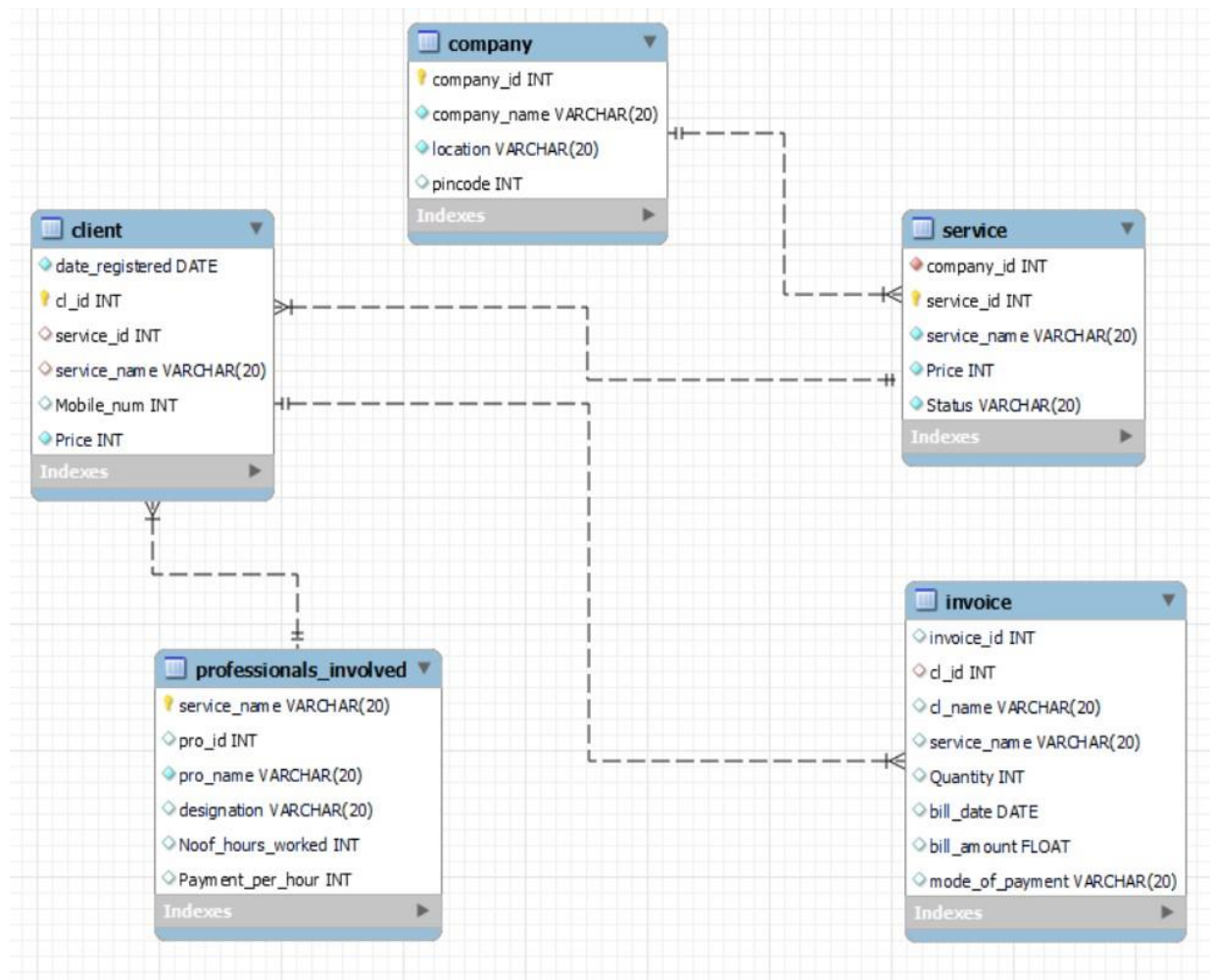
**MySQL** is an open-source relational database management system (RDBMS) that uses SQL as its query language. It is one of the most popular and widely used RDBMSs in the world. MySQL is known for its speed, reliability, and ease of use.

MySQL follows the working of **Client-Server Architecture**. This model is designed for the end-users called clients to access the resources from a central computer known as a server using network services. Here, the clients make requests through a graphical user interface (GUI), and the server will give the desired output as soon as the instructions are matched. The process of MySQL environment is the same as the client-server model.



You have been assigning to create a database of client management database system that should store information about company, services provided by the company, client details, professionals who involved, invoice.

## ER Diagram



Design the database scheme answer the following questions.

## Steps:

- Open MySQL and Create a Database with database name called “Client Management

```
MySQL 8.0 Command Line Cli  x  +  v
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.36 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

```
mysql> create database client_management;
Query OK, 1 row affected (0.01 sec)
```

- Show Databases

```
mysql> show databases;
+-----+
| Database |
+-----+
| client_management |
| demo |
| information_schema |
| mysql |
| performance_schema |
+-----+
5 rows in set (0.00 sec)
```

- Use database

```
mysql> use client_management;
Database changed
```

- Create tables of Company, Service, Client, Professionals\_involves, invoices.

```
mysql> create table company(company_id int,  
-> company_name varchar(20) not null,  
-> location varchar(20) not null,  
-> pincode int unique);  
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> create table service(company_id int not null,  
-> service_id int,  
-> service_name varchar(20) not null,  
-> Price int not null,  
-> Status varchar(20) not null);  
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> create table client (date_registered date not null,  
-> cl_id int,  
-> service_id int unique,  
-> service_name varchar(20),  
-> Mobile_num int unique,  
-> Price int not null);  
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> create table professionals_involved(service_name varchar(20),  
-> pro_id int unique,  
-> pro_name varchar(20) not null ,  
-> designation varchar(20),  
-> Noof_hours_worked int,  
-> Payment_per_hour int );  
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> create table invoice(invoice_id int unique,
-> cl_id int ,
-> cl_name varchar(20),
-> service_name varchar(20),
-> Quantity int ,
-> Bill_date date ,
-> Bill_amount float,
-> Mode_of_payment varchar(20));
Query OK, 0 rows affected (0.04 sec)
```

- Adding Primary key

```
mysql> alter table company add primary key (company_id);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc company;
```

Field	Type	Null	Key	Default	Extra
company_id	int	NO	PRI	NULL	
company_name	varchar(20)	NO		NULL	
location	varchar(20)	NO		NULL	
pincode	int	YES	UNI	NULL	

```
4 rows in set (0.00 sec)
```

```
mysql> alter table service add primary key (service_id);
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc service;
```

Field	Type	Null	Key	Default	Extra
company_id	int	NO		NULL	
service_id	int	NO	PRI	NULL	
service_name	varchar(20)	NO		NULL	
Price	int	NO		NULL	
Status	varchar(20)	NO		NULL	

```
5 rows in set (0.00 sec)
```

```
mysql> alter table client add primary key (cl_id);
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc client;
```

Field	Type	Null	Key	Default	Extra
date_registered	date	NO		NULL	
cl_id	int	NO	PRI	NULL	
service_id	int	YES	UNI	NULL	
service_name	varchar(20)	YES		NULL	
Mobile_num	int	YES	UNI	NULL	
Price	int	NO		NULL	

6 rows in set (0.00 sec)

```
mysql> alter table professionals_involved add primary key (service_name);
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc professionals_involved;
```

Field	Type	Null	Key	Default	Extra
service_name	varchar(20)	NO	PRI	NULL	
pro_id	int	YES	UNI	NULL	
pro_name	varchar(20)	NO		NULL	
designation	varchar(20)	YES		NULL	
Noof_hours_worked	int	YES		NULL	
Payment_per_hour	int	YES		NULL	

6 rows in set (0.00 sec)

- Insert Data into Tables

```
mysql> insert into company values(101, "ISOQ", "Hi-tech City", 500081);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into service values(101, 1731201, "software repair", 5000.00, "Active"),
-> (101, 1731202, "Hardware repair", 15000.00, "Active"),
-> (101, 1731203, "Website Development", 3500.00, "Active"),
-> (101, 1731204, "Web Development", 8500.00, "Active"),
-> (101, 1731205, "Sys Trouble Shooting", 7000.00, "Active"),
-> (101, 1731206, "Device Cleaning", 6000.00, "Active"),
-> (101, 1731207, "Parts replacement", 8300.50, "Active");
Query OK, 7 rows affected (0.00 sec)
Records: 7 Duplicates: 0 Warnings: 0
```

```
mysql> insert into client values('2020-02-05', 501, "Rishith", 1731204, "Web Development", 9578452145, 8500),
-> ('2020-04-05', 502, "Ayansh", 1731206, "Device Cleaning", 9578425863, 6000),
-> ('2020-04-18', 503, "Avyay", 1731206, "Device Cleaning", 8654789651, 6000),
-> ('2020-04-25', 504, "Divya", 1731205, "Sys Trouble Shooting", 9547823015, 7000),
-> ('2020-05-01', 505, "Sravya", 1731201, "Software Repair", 9872031576, 5000),
-> ('2020-05-01', 506, "Nithin", 1731202, "Hardware Repair", 9820314568, 15000);
Query OK, 6 rows affected (0.00 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

```
mysql> insert into professionals_involved values( 111, "Software Repair", "Rishabh", "Computer Engineer", 8, 3500),
-> (112, "Hardware Repair", "Subhash", "Tester", 6, 4500),
-> (113, "Website Development", "Praneetha", "Developer", 9, 4000),
-> (114, "Web Development", "Vinay", "Developer", 9, 3000),
-> (115, "Sys Trouble Shooting", "Kumar", "Tester", 6, 3000),
-> (116, "Device Cleaning", "Sreeja", "Tester", 8, 4000),
-> (117, "Parts Replacement", "Roshan", "Computer Engineer", 3, 2300);
Query OK, 7 rows affected (0.01 sec)
Records: 7 Duplicates: 0 Warnings: 0
```

```
mysql> insert into invoice values(200117, 501, "Rishith", "Web Develeopment", 2, '2020-02-10', 17000, "UPI"),
-> (200118, 502, "Ayansh", "Device Cleaning", 1, '2020-04-20', 6000, "Credit Card"),
-> (200119, 503, "Avyay", "Device Cleaning", 1, '2020-04-26', 6000, "Cash"),
-> (200120, 504, "Divya", "Sys Trouble Shooting", 2, '2020-05-15', 14000, "Debit Card"),
-> (200121, 505, "Sravya", "Software Repair", 1, '2020-05-15', 5000, "Cash"),
-> (200122, 506, "Nithin", "Hardware Repair", 1, '2020-05-20', 15000, "UPI");
Query OK, 6 rows affected (0.01 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

- Retrieving data using SELECT command.

```
mysql> select * from company;
```

company_id	company_name	location	pincode
101	ISOQ	Hi-tech City	500081

```
1 row in set (0.00 sec)
```

```
mysql> select * from service;
```

company_id	service_id	service_name	Price	Status
101	1731201	software repair	5000	Active
101	1731202	Hardware repair	15000	Active
101	1731203	Website Development	3500	Active
101	1731204	Web Development	8500	Active
101	1731205	Sys Trouble Shooting	7000	Active
101	1731206	Device Cleaning	6000	Active
101	1731207	Parts replacement	8301	Active

```
7 rows in set (0.00 sec)
```

```
mysql> select * from client;
```

date_registered	cl_id	cl_name	service_id	service_name	Mobile_num	Price
2020-02-05	501	Rishith	1731204	Web Development	9578452145	8500
2020-04-05	502	Ayansh	1731206	Device Cleaning	9578425863	6000
2020-04-18	503	Avyay	1731206	Device Cleaning	8654789651	6000
2020-04-25	504	Divya	1731205	Sys Trouble Shooting	9547823015	7000
2020-05-01	505	Sravya	1731201	Software Repair	9872031576	5000
2020-05-01	506	Nithin	1731202	Hardware Repair	9820314568	15000

```
6 rows in set (0.00 sec)
```



```
mysql> select * from professionals_involved;
```

service_name	pro_id	pro_name	designation	Noof_hours_worked	Payment_per_hour
Device Cleaning	116	Sreeja	Tester	8	4000
Hardware Repair	112	Subhash	Tester	6	4500
Parts Replacement	117	Roshan	Computer Engineer	3	2300
Software Repair	111	Rishabh	Computer Engineer	8	3500
Sys Trouble Shooting	115	Kumar	Tester	6	3000
Web Development	114	Vinay	Developer	9	3000
Webite Development	113	Praneetha	Developer	9	4000

```
7 rows in set (0.00 sec)
```

```
mysql> select * from invoice;
```

invoice_id	cl_id	cl_name	service_name	Quantity	Bill_date	Bill_amount	Mode_of_payment
200117	501	Rishith	Web Develeopment	2	2020-02-10	17000	UPI
200118	502	Ayansh	Device Cleaning	1	2020-04-20	6000	Credit Card
200119	503	Avyay	Device Cleaning	1	2020-04-26	6000	Cash
200120	504	Divya	Sys Trouble Shooting	2	2020-05-15	14000	Debit Card
200121	505	Sravya	Software Repair	1	2020-05-15	5000	Cash
200122	506	Nithin	Hardware Repair	1	2020-05-20	15000	UPI

```
6 rows in set (0.00 sec)
```

- Delete command:

```
mysql> select * from client;
```

date_registered	cl_id	cl_name	service_id	service_name	Mobile_num	Price
2020-02-05	501	Rishith	1731204	Web Development	9578452145	8500
2020-04-05	502	Ayansh	1731206	Device Cleaning	9578425863	6000
2020-04-18	503	Avyay	1731206	Device Cleaning	8654789651	6000
2020-04-25	504	Divya	1731205	Sys Trouble Shooting	9547823015	7000
2020-05-01	505	Sravya	1731201	Software Repair	9872031576	5000
2020-05-01	506	Nithin	1731202	Hardware Repair	9820314568	15000

```
6 rows in set (0.00 sec)
```

```
mysql> delete from client where cl_id=506;  
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from client;
```

date_registered	cl_id	cl_name	service_id	service_name	Mobile_num	Price
2020-02-05	501	Rishith	1731204	Web Development	9578452145	8500
2020-04-05	502	Ayansh	1731206	Device Cleaning	9578425863	6000
2020-04-18	503	Avyay	1731206	Device Cleaning	8654789651	6000
2020-04-25	504	Divya	1731205	Sys Trouble Shooting	9547823015	7000
2020-05-01	505	Sravya	1731201	Software Repair	9872031576	5000

```
5 rows in set (0.00 sec)
```

- Adding Foreign Key

```
mysql> alter table service add foreign key(company_id) references company(company_id);
Query OK, 7 rows affected (0.08 sec)
Records: 7 Duplicates: 0 Warnings: 0
```

```
mysql> desc service;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| company_id     | int           | NO   | MUL | NULL     |       |
| service_id     | int           | NO   | PRI | NULL     |       |
| service_name   | varchar(20)   | NO   |     | NULL     |       |
| Price          | int           | NO   |     | NULL     |       |
| Status         | varchar(20)   | NO   |     | NULL     |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> alter table client add foreign key(service_id) references service(service_id);
Query OK, 5 rows affected (0.07 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql> alter table client add foreign key(service_name) references professionals_involved(service_name);
Query OK, 5 rows affected (0.07 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql> desc client;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| date_registered | date          | NO   |     | NULL     |       |
| cl_id          | int           | NO   | PRI | NULL     |       |
| cl_name        | varchar(40)   | YES  |     | NULL     |       |
| service_id     | int           | YES  | MUL | NULL     |       |
| service_name   | varchar(20)   | YES  | MUL | NULL     |       |
| Mobile_num     | bigint        | YES  | UNI | NULL     |       |
| Price          | int           | YES  |     | NULL     |       |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> alter table invoice add foreign key(cl_id) references client(cl_id);
Query OK, 6 rows affected (0.10 sec)
Records: 6  Duplicates: 0  Warnings: 0
```

```
mysql> desc invoice;
```

Field	Type	Null	Key	Default	Extra
invoice_id	int	YES	UNI	NULL	
cl_id	int	YES	MUL	NULL	
cl_name	varchar(20)	YES		NULL	
service_name	varchar(20)	YES		NULL	
Quantity	int	YES		NULL	
Bill_date	date	YES		NULL	
Bill_amount	float	YES		NULL	
Mode_of_payment	varchar(20)	YES		NULL	

8 rows in set (0.00 sec)

- Operators

```
mysql> /* ----IN operator---*/
```

```
mysql> select * from invoice where cl_id in(505,506);
```

invoice_id	cl_id	cl_name	service_name	Quantity	Bill_date	Bill_amount	Mode_of_payment
200121	505	Sravva	Software Repair	1	2020-05-15	5000	Cash
200122	506	Nithin	Hardware Repair	1	2020-05-20	15000	UPI

2 rows in set (0.00 sec)

```
mysql> select * , Payment_per_day*30 as salary from professionals_involved;
```

pro_id	service_name	pro_name	designation	Noof_hours_worked	Payment_per_day	salary
116	Device Cleaning	Sreeja	Tester	8	4000	120000
112	Hardware Repair	Subhash	Tester	6	4500	135000
117	Parts Replacement	Roshan	Computer Engineer	3	2300	69000
111	Software Repair	Rishabh	Computer Engineer	8	3500	105000
115	Sys Trouble Shooting	Kumar	Tester	6	3000	90000
114	Web Development	Vinay	Developer	9	3000	90000
113	Webite Development	Praneetha	Developer	9	4000	120000

7 rows in set (0.00 sec)

```
mysql> select * from client where Price>7000;
```

date_registered	cl_id	cl_name	service_id	service_name	Mobile_num	Price
2020-02-05	501	Rishith	1731204	Web Development	9578452145	8500
2020-05-01	506	Nithin	1731202	Hardware Repair	9820314568	15000

```
2 rows in set (0.00 sec)
```

```
mysql> select * from invoice where Bill_amount>10000 and cl_id=504;
```

invoice_id	cl_id	cl_name	service_name	Quantity	Bill_date	Bill_amount	Mode_of_payment
200120	504	Divya	Sys Trouble Shooting	2	2020-05-15	14000	Debit Card

```
1 row in set (0.00 sec)
```

- LIKE operator:

```
mysql> /*-----LIKE OPERATOR-----*/
mysql> select cl_name ,service_name from invoice where cl_name like '_y%';
```

cl_name	service_name
Ayansh	Device Cleaning

```
1 row in set (0.00 sec)
```

- BETWEEN Operator

```
mysql> /*-----BETWEEN Operator-----*/
mysql> select cl_id, cl_name from client where cl_id between 502 and 505;
```

cl_id	cl_name
502	Ayansh
503	Avyay
504	Divya
505	Sravya

```
4 rows in set (0.00 sec)
```

- IN Operator

```
mysql> /* ----IN operator---*/
mysql> select * from invoice where cl_id in(505,506);
```

invoice_id	cl_id	cl_name	service_name	Quantity	Bill_date	Bill_amount	Mode_of_payment
200121	505	Sravya	Software Repair	1	2020-05-15	5000	Cash
200122	506	Nithin	Hardware Repair	1	2020-05-20	15000	UPI

```
2 rows in set (0.00 sec)
```

- Create View

```
mysql> create view output as (select * from invoice where Bill_amount>20000);
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> show tables;
```

Tables_in_client_management
client
company
invoice
professionals_involved
service

```
5 rows in set (0.00 sec)
```

```
mysql> show tables;
```

Tables_in_client_management
client
company
invoice
output
professionals_involved
service

```
6 rows in set (0.00 sec)
```

- Aggregate Functions

```
mysql> select sum(price) from service;
```

sum(price)
53301

```
1 row in set (0.00 sec)
```

```
mysql> select min(price) from service;
+-----+
| min(price) |
+-----+
|      3500 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select * from service where price=(select max(price) from service);
+-----+-----+-----+-----+-----+
| company_id | service_id | service_name | Price | Status |
+-----+-----+-----+-----+-----+
|      101 |    1731202 | Hardware repair | 15000 | Active |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> select avg(price) from service;
+-----+
| avg(price) |
+-----+
|  7614.4286 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select count(service_id) from service;
+-----+
| count(service_id) |
+-----+
|              7 |
+-----+
1 row in set (0.00 sec)
```

## • Cross join

```
mysql> select * from client cross join invoice;
```

date_registered	cl_id	cl_name	service_id	service_name	Mobile_num	Price	invoice_id	cl_id	cl_name	service_name	Quantity	Bill_date	Bill_amount	Mode_of_payment
2020-05-01	506	Nithin	1731282	Hardware Repair	9828314568	15000	200117	501	Rishith	Web Development	2	2020-02-10	17000	UPI
2020-05-01	505	Sravva	1731201	Software Repair	9872831576	5000	200117	501	Rishith	Web Development	2	2020-02-10	17000	UPI
2020-04-25	504	Divya	1731205	Sys Trouble Shooting	9547823015	7000	200117	501	Rishith	Web Development	2	2020-02-10	17000	UPI
2020-04-18	503	Avyay	1731206	Device Cleaning	8654789651	6000	200117	501	Rishith	Web Development	2	2020-02-10	17000	UPI
2020-04-05	502	Ayansh	1731206	Device Cleaning	9578425863	6000	200117	501	Rishith	Web Development	2	2020-02-10	17000	UPI
2020-02-05	501	Rishith	1731204	Web Development	9578452145	8500	200117	501	Rishith	Web Development	2	2020-02-10	17000	UPI
2020-05-01	506	Nithin	1731282	Hardware Repair	9828314568	15000	200118	502	Ayansh	Device Cleaning	1	2020-04-20	6000	Credit Card
2020-05-01	505	Sravva	1731201	Software Repair	9872831576	5000	200118	502	Ayansh	Device Cleaning	1	2020-04-20	6000	Credit Card
2020-04-25	504	Divya	1731205	Sys Trouble Shooting	9547823015	7000	200118	502	Ayansh	Device Cleaning	1	2020-04-20	6000	Credit Card
2020-04-18	503	Avyay	1731206	Device Cleaning	8654789651	6000	200118	502	Ayansh	Device Cleaning	1	2020-04-20	6000	Credit Card
2020-04-05	502	Ayansh	1731206	Device Cleaning	9578425863	6000	200118	502	Ayansh	Device Cleaning	1	2020-04-20	6000	Credit Card
2020-02-05	501	Rishith	1731204	Web Development	9578452145	8500	200118	502	Ayansh	Device Cleaning	1	2020-04-20	6000	Credit Card
2020-05-01	506	Nithin	1731282	Hardware Repair	9828314568	15000	200119	503	Avyay	Device Cleaning	1	2020-04-26	6000	Cash
2020-05-01	505	Sravva	1731201	Software Repair	9872831576	5000	200119	503	Avyay	Device Cleaning	1	2020-04-26	6000	Cash
2020-04-25	504	Divya	1731205	Sys Trouble Shooting	9547823015	7000	200119	503	Avyay	Device Cleaning	1	2020-04-26	6000	Cash
2020-04-18	503	Avyay	1731206	Device Cleaning	8654789651	6000	200119	503	Avyay	Device Cleaning	1	2020-04-26	6000	Cash
2020-04-05	502	Ayansh	1731206	Device Cleaning	9578425863	6000	200119	503	Avyay	Device Cleaning	1	2020-04-26	6000	Cash
2020-02-05	501	Rishith	1731204	Web Development	9578452145	8500	200119	503	Avyay	Device Cleaning	1	2020-04-26	6000	Cash
2020-05-01	506	Nithin	1731282	Hardware Repair	9828314568	15000	200120	504	Divya	Sys Trouble Shooting	2	2020-05-15	14000	Debit Card
2020-05-01	505	Sravva	1731201	Software Repair	9872831576	5000	200120	504	Divya	Sys Trouble Shooting	2	2020-05-15	14000	Debit Card
2020-04-25	504	Divya	1731205	Sys Trouble Shooting	9547823015	7000	200120	504	Divya	Sys Trouble Shooting	2	2020-05-15	14000	Debit Card
2020-04-18	503	Avyay	1731206	Device Cleaning	8654789651	6000	200120	504	Divya	Sys Trouble Shooting	2	2020-05-15	14000	Debit Card
2020-04-05	502	Ayansh	1731206	Device Cleaning	9578425863	6000	200120	504	Divya	Sys Trouble Shooting	2	2020-05-15	14000	Debit Card
2020-02-05	501	Rishith	1731204	Web Development	9578452145	8500	200120	504	Divya	Sys Trouble Shooting	2	2020-05-15	14000	Debit Card
2020-05-01	506	Nithin	1731282	Hardware Repair	9828314568	15000	200121	505	Sravva	Software Repair	1	2020-05-15	5000	Cash
2020-05-01	505	Sravva	1731201	Software Repair	9872831576	5000	200121	505	Sravva	Software Repair	1	2020-05-15	5000	Cash
2020-04-25	504	Divya	1731205	Sys Trouble Shooting	9547823015	7000	200121	505	Sravva	Software Repair	1	2020-05-15	5000	Cash
2020-04-18	503	Avyay	1731206	Device Cleaning	8654789651	6000	200121	505	Sravva	Software Repair	1	2020-05-15	5000	Cash
2020-04-05	502	Ayansh	1731206	Device Cleaning	9578425863	6000	200121	505	Sravva	Software Repair	1	2020-05-15	5000	Cash
2020-02-05	501	Rishith	1731204	Web Development	9578452145	8500	200121	505	Sravva	Software Repair	1	2020-05-15	5000	Cash
2020-05-01	506	Nithin	1731282	Hardware Repair	9828314568	15000	200122	506	Nithin	Hardware Repair	1	2020-05-20	15000	UPI
2020-05-01	505	Sravva	1731201	Software Repair	9872831576	5000	200122	506	Nithin	Hardware Repair	1	2020-05-20	15000	UPI
2020-04-25	504	Divya	1731205	Sys Trouble Shooting	9547823015	7000	200122	506	Nithin	Hardware Repair	1	2020-05-20	15000	UPI
2020-04-18	503	Avyay	1731206	Device Cleaning	8654789651	6000	200122	506	Nithin	Hardware Repair	1	2020-05-20	15000	UPI
2020-04-05	502	Ayansh	1731206	Device Cleaning	9578425863	6000	200122	506	Nithin	Hardware Repair	1	2020-05-20	15000	UPI
2020-02-05	501	Rishith	1731204	Web Development	9578452145	8500	200122	506	Nithin	Hardware Repair	1	2020-05-20	15000	UPI

36 rows in set (0.00 sec)

## • Inner join

```
mysql> select * from client inner join invoice on client.cl_id=invoice.cl_id;
```

date_registered	cl_id	cl_name	service_id	service_name	Mobile_num	Price	invoice_id	cl_id	cl_name	service_name	Quantity	Bill_date	Bill_amount	Mode_of_payment
2020-02-05	501	Rishith	1731204	Web Development	9578452145	8500	200117	501	Rishith	Web Development	2	2020-02-10	17000	UPI
2020-04-05	502	Ayansh	1731206	Device Cleaning	9578425863	6000	200118	502	Ayansh	Device Cleaning	1	2020-04-20	6000	Credit Card
2020-04-18	503	Avyay	1731206	Device Cleaning	8654789651	6000	200119	503	Avyay	Device Cleaning	1	2020-04-26	6000	Cash
2020-04-25	504	Divya	1731205	Sys Trouble Shooting	9547823015	7000	200120	504	Divya	Sys Trouble Shooting	2	2020-05-15	14000	Debit Card
2020-05-01	505	Sravva	1731201	Software Repair	9872831576	5000	200121	505	Sravva	Software Repair	1	2020-05-15	5000	Cash
2020-05-01	506	Nithin	1731282	Hardware Repair	9828314568	15000	200122	506	Nithin	Hardware Repair	1	2020-05-20	15000	UPI

6 rows in set (0.00 sec)

----- \* *THANK YOU* \* -----