

```
mysql> show tables;
```

```
+-----+  
| Tables_in_lab4 |  
+-----+  
| studentaccount |  
+-----+
```

```
1 row in set (0.01 sec)
```

```
mysql> describe studentaccount;
```

```
+-----+-----+-----+-----+-----+-----+  
| Field      | Type      | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| id         | int       | NO   | PRI | NULL    |       |  
| Person_Name | varchar(20) | NO   |     | NULL    |       |  
| Department  | varchar(3) | NO   |     | NULL    |       |  
| Birth      | date      | NO   |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+
```

```
4 rows in set (0.02 sec)
```

```
mysql> select * from studentaccount;
```

```
+-----+-----+-----+-----+  
| id | Person_Name | Department | Birth      |  
+-----+-----+-----+-----+  
| 1  | Ramesh      | CS         | 2001-01-12 |  
| 2  | suresh      | IT         | 2020-02-20 |  
| 3  | Jomin       | CS         | 1996-02-29 |  
| 4  | Shree       | IT         | 2012-12-18 |  
| 5  | Hemanth     | CS         | 2022-02-07 |  
+-----+-----+-----+-----+
```

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

```
mysql>
```

```
mysql> show tables;
```

Tables_in_lab4
studentaccount

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

```
mysql> select Person_Name from studentaccount where Person_Name like binary '%S%';
```

Person_Name
Shree

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

```
mysql> select Person_Name from studentaccount where Person_Name like '%S%';
```

Person_Name
Ramesh
suresh
Shree

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

```
mysql> _
```

```
mysql> show tables;
```

```
+-----+  
| Tables_in_lab4 |  
+-----+  
| studentaccount |  
+-----+
```

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

```
mysql> select * from studentaccount where (id%2)=1;
```

```
+-----+-----+-----+-----+  
| id | Person_Name | Department | Birth      |  
+-----+-----+-----+-----+  
| 1  | Ramesh      | Cs         | 2001-01-12 |  
| 3  | Jomin       | CS         | 1996-02-29 |  
| 5  | Hemanth     | CS         | 2022-02-07 |  
+-----+-----+-----+-----+
```

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

```
mysql> _
```

```
mysql> show tables;
```

Tables_in_lab4
studentaccount

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

```
mysql> select Person_Name from studentaccount where Person_Name like '_____';
```

Person_Name
Jomin
Shree

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

```
mysql> _
```

```
mysql> show tables;
```

```
+-----+  
| Tables_in_lab4 |  
+-----+  
| studentaccount |  
+-----+
```

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

```
mysql> select id,Person_Name,Department,Birth,concat(TIMESTAMPDIFF(YEAR,Birth,CURDATE()),'YEARS ',MOD(TIMESTAMPDIFF(MONTH,Birth,CURDATE()),12),'MONTHS') as Age from studentaccount;
```

```
+-----+-----+-----+-----+-----+  
| id | Person_Name | Department | Birth      | Age                |  
+-----+-----+-----+-----+-----+  
| 1  | Ramesh      | Cs         | 2001-01-12 | 21YEARS 0MONTHS   |  
| 2  | suresh      | IT         | 2020-02-20 | 1YEARS 11MONTHS   |  
| 3  | Jomin       | CS         | 1996-02-29 | 25YEARS 11MONTHS   |  
| 4  | Shree       | IT         | 2012-12-18 | 9YEARS 1MONTHS     |  
| 5  | Hemanth     | CS         | 2022-02-07 | 0YEARS 0MONTHS     |  
+-----+-----+-----+-----+-----+
```

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

```
mysql> _
```

```
mysql> show tables;
```

Tables_in_lab4
employees
studentaccount

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

```
mysql> describe employees;
```

Field	Type	Null	Key	Default	Extra
Employee_id	int	NO	PRI	NULL	
First_name	varchar(20)	NO		NULL	
Last_name	varchar(20)	NO		NULL	
Salary	int	NO		NULL	
Joining_date	date	NO		NULL	
Department	varchar(20)	YES		NULL	

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

```
mysql> select * from employees;
```

Employee_id	First_name	Last_name	Salary	Joining_date	Department
1	Boby	Rathod	1000000	2020-12-20	Finance
2	Jasmin	Jose	6000000	2015-02-07	IT
3	Pratap	Mathew	8900000	2014-03-09	Banking
4	John	Michel	2000000	1999-03-17	Insurance
5	Alex	Kinto	2200000	1987-02-25	Finance
6	Jaswanth	Kumar	1230000	2021-07-23	IT

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

```
mysql>
```

```
mysql> show tables;
```

```
+-----+  
| Tables_in_lab4 |  
+-----+  
| employees      |  
| studentaccount |  
+-----+
```

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

```
mysql> select * from employees where Salary between 2000000 and 5000000;
```

```
+-----+-----+-----+-----+-----+-----+  
| Employee_id | First_name | Last_name | Salary | Joining_date | Department |  
+-----+-----+-----+-----+-----+-----+  
|          4 | John      | Michel   | 2000000 | 1999-03-17   | Insurance  |  
|          5 | Alex      | Kinto    | 2200000 | 1987-02-25   | Finance    |  
+-----+-----+-----+-----+-----+-----+
```

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

```
mysql>
```

```
mysql> show tables;
```

Tables_in_lab4
employees
studentaccount

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

```
mysql> select * from employees;
```

Employee_id	First_name	Last_name	Salary	Joining_date	Department
1	Boby	Rathod	1000000	2020-12-20	Finance
2	Jasmin	Jose	6000000	2015-02-07	IT
3	Pratap	Mathew	8900000	2014-03-09	Banking
4	John	Michel	2000000	1999-03-17	Insurance
5	Alex	Kinto	2200000	1987-02-25	Finance
6	Jaswanth	Kumar	1230000	2021-07-23	IT

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

```
mysql> select * from employees where Department='Finance' and Salary<(select avg(Salary) from employees where Department='IT');
```

Employee_id	First_name	Last_name	Salary	Joining_date	Department
1	Boby	Rathod	1000000	2020-12-20	Finance
5	Alex	Kinto	2200000	1987-02-25	Finance

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

```
mysql> _
```



```
mysql> show tables;
```

Tables_in_lab4
employees
studentaccount

2 rows in set (0.00 sec)

```
mysql> select * from employees;
```

Employee_id	First_name	Last_name	Salary	Joining_date	Department
1	Boby	Rathod	1000000	2020-12-20	Finance
2	Jasmin	Jose	6000000	2015-02-07	IT
3	Pratap	Mathew	8900000	2014-03-09	Banking
4	John	Michel	2000000	1999-03-17	Insurance
5	Alex	Kinto	2200000	1987-02-25	Finance
6	Jaswanth	Kumar	1230000	2021-07-23	IT

6 rows in set (0.00 sec)

```
mysql> select Last_name from employees where TIMESTAMPDIFF(YEAR,Joining_date,CURDATE())>3 and First_name like '%a%' ;
```

Last_name
Jose
Mathew
Kinto

3 rows in set (0.00 sec)

```
mysql> select Last_name from employees where TIMESTAMPDIFF(YEAR,Joining_date,CURDATE())>3 and First_name like binary '%a%' ;
```

Last_name
Jose
Mathew

2 rows in set, 1 warning (0.00 sec)

```
mysql>
```

```
mysql> show tables;
```

```
+-----+  
| Tables_in_lab4 |  
+-----+  
| employees      |  
| studentaccount |  
+-----+
```

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

```
mysql> select * from employees;
```

```
+-----+-----+-----+-----+-----+-----+  
| Employee_id | First_name | Last_name | Salary | Joining_date | Department |  
+-----+-----+-----+-----+-----+-----+  
| 1 | Bobby | Rathod | 1000000 | 2020-12-20 | Finance |  
| 2 | Jasmin | Jose | 6000000 | 2015-02-07 | IT |  
| 3 | Pratap | Mathew | 8900000 | 2014-03-09 | Banking |  
| 4 | John | Michel | 2000000 | 1999-03-17 | Insurance |  
| 5 | Alex | Kinto | 2200000 | 1987-02-25 | Finance |  
| 6 | Jaswanth | Kumar | 1230000 | 2021-07-23 | IT |  
+-----+-----+-----+-----+-----+-----+
```

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

```
mysql> select Joining_date from employees where Department='IT' and Salary>(select avg(Salary) from employees);
```

```
+-----+  
| Joining_date |  
+-----+  
| 2015-02-07 |  
+-----+
```

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

```
mysql> _
```