样本Table：user

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| user\_id | username | password | email | address |
| 1 | Admin | 123 | 1151650717@qq.com | 北京海淀北京理工大学中关村校区 |
| 2 | 小浩 | Qwe | 643054986@qq.com | 陕西 |
| 3 | huangfugui | 7456 | Geekhuangfugui@google.com | 广东 |

SELECT：

SELECT \* FROM user;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| user\_id | username | password | email | address |
| 1 | Admin | 123 | 1151650717@qq.com | 北京海淀北京理工大学中关村校区 |
| 2 | 小浩 | Qwe | 643054986@qq.com | 陕西 |
| 3 | huangfugui | 7456 | Geekhuangfugui@google.com | 广东 |

SELECT \* FROM user WHERE user\_id = 2;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| user\_id | username | password | email | address |
| 2 | 小浩 | Qwe | 643054986@qq.com | 陕西 |

SELECT username FROM user WHERE user\_id = 3;

|  |
| --- |
| username |
| huangfugui |

SELECT \* FROM user WHERE user\_id = 6;

Empty Set：return null;

SELECT FROM user;

Error：Wrong SQL;

Syntax Format ：

SELECT \* FROM TABLE\_NAME [WHERE COL\_NAME1 = … AND COL\_NAME2 = …] [GROUP BY COL\_NAME] [ORDER BY COL\_NAME [DESC]] [LIMIT …];

SELECT COL\_NAME1,[COL\_NAME2],[COL\_NAME3] FROM TABLE\_NAME [WHERE COL\_NAME1 = … AND COL\_NAME2 = …] [GROUP BY COL\_NAME] [ORDER BY COL\_NAME [DESC]] [LIMIT …];

SELECT \* FROM user ORDER BY user\_id DESC;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| user\_id | username | password | email | address |
| 3 | huangfugui | 7456 | Geekhuangfugui@google.com | 广东 |
| 2 | 小浩 | Qwe | 643054986@qq.com | 陕西 |
| 1 | Admin | 123 | 1151650717@qq.com | 北京海淀北京理工大学中关村校区 |

SELECT \* FROM user ORDER BY user\_id DESC LIMIT 1;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| user\_id | username | password | email | address |
| 3 | huangfugui | 7456 | Geekhuangfugui@google.com | 广东 |

SELECT MAX(user\_id) FROM user;

|  |
| --- |
| MAX(user\_id) |
| 3 |

SELECT COUNT(\*) FROM user;

|  |
| --- |
| COUNT(\*) |
| 3 |

SELECT SUM(user\_id) FROM user;

|  |
| --- |
| SUM(user\_id) |
| 6 |

INSERT：

INSERT INTO user VALUES(4,’haha’,’1596’,’8765123@qq.com’,’美国纽约’);

Insert successfully;

INSERT user VALUES(3,’haha’,’1596’,’8765123@qq.com’,’美国纽约’);

Insert fail，id must be unique;

INSERT user VALUE(4,’haha’,’1596’,’8765123@qq.com’,’美国纽约’);

Error：Wrong SQL;

Syntax Format ：

INSERT [INTO] TABLE\_NAME VALUES(value1,value2,….valueN);

INSERT [INTO] TABLE\_NAME(COL\_NAME1,COL\_NAME2,[COL\_NAME…]) VALUES(value1,value2,[value…]);

UPDATE：

UPDATE user SET username = ‘Jordan’;

Update successfully, 3 rows affected;

UPDATE user SET username = ‘Kobe’ ,password = ‘888824’ WHERE user\_id = 2;

Update successfully, 1 rows affected;

UPDATE user SET username = ‘Kobe’ WHERE user\_id = 10;

Update fail,0 rows affected;

UPDATE user username ( ‘Kobe’) WHERE user\_id = 2;

Error：Wrong SQL;

Syntax Format:

UPDATE TABLE\_NAME SET COL\_NAME1 = value1 [,COL\_NAME2 = value2][,COL\_NAME3 = value3] [WHERE] [COL\_NAME = value];

DELETE ：

DELETE FROM user WHERE id = 3;

Delete successfully,1 row deleted;

DELETE FROM user;

Delete successfully,all rows deleted;

DELETE FROM user WHERE id = 8;

Delete fail,0 row deleted;

DELETE user WHERE id = 3;

Error：Wrong SQL;

Syntax Format:

DELETE FROM TABLE\_NAME [WHERE COL\_NAME = value];