

```
mysql> show databases
```

```
-> ;
```

```
+-----+
| Database      |
+-----+
| information_schema |
| mysql          |
| performance_schema |
| sakila         |
| sys            |
| test           |
| world          |
+-----+
```

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

```
mysql> use test
```

```
Database changed
```

```
mysql> show tables;
```

```
+-----+
| Tables_in_test |
+-----+
| students       |
+-----+
```

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

```
mysql> describe students;
```

```
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
```

```
| id | int | NO | PRI | NULL | |
| name | varchar(20) | NO | | NULL | |
| age | int | YES | | NULL | |
```

```
+-----+-----+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> select * from students;
```

```
+----+-----+-----+
```

```
| id | name | age |
```

```
+----+-----+-----+
```

```
| 1 | Bob | 18 |
```

```
| 2 | Bob | 19 |
```

```
| 3 | Bob | NULL |
```

```
+----+-----+-----+
```

3 rows in set (0.00 sec)

The screenshot shows the MySQL Workbench interface. The main window displays a query with the following SQL commands:

```
1 insert into students values( "1", "Bob", "18" );
2 insert into students values("2", "Bob", "19" );
3 insert into students values("3", "Bob",NULL) ;
4 select * from students ;
5 insert into students values("3", "Sue", 20) ;
6 insert into students values("4", NULL, 21) ;
```

The results grid shows the output of the query:

#	id	name	age
1	1	Bob	18
2	2	Bob	19
3	3	Bob	NULL

The bottom panel shows the output of the query, including the message "Error Code: 1062. Duplicate entry '3' for key 'students.PRIMARY'" and the duration of the query.