

## Setup MySQL on OSX with ConnectorJ

**Reference :** <https://gist.github.com/nrollr/3f57fc15ded7dddddcc4e82fe137b58e>

### install mysql through brew:

```
> brew install mysql
```

Start using:

```
> brew tap homebrew/services
```

```
> brew services start mysql
```

Execute into SQL shell and set root password:

```
> mysqladmin -u root password 'yourpassword'
```

(Tips for exec to mysql sheel: > mysql -u root -p)

**Create simple database:** (ShortBook on basic SQL <https://www.dropbox.com/s/37g4chkyxpxj66t/Sams%20Teach%20Yourself%20SQL%20in%2010%20Minutes.pdf?dl=0>)

```
mysql> CREATE DATABASE Java;
```

```
mysql> USE Java;
```

```
mysql> CREATE TABLE Person (ID INT, Name VARCHAR(20), Sex VARCHAR(1));
```

```
mysql> INSERT INTO Person (ID, Name, Sex) VALUES(1, 'jub', M);
```

```
mysql> INSERT INTO Person (ID, Name, Sex) VALUES(2, 'job', 'M');
```

```
mysql> INSERT INTO Person (ID, Name, Sex) VALUES(3, 'jang', F);
```

```
mysql> SELECT * FROM Person
```

ควรจะมี output ออกมาเป็นตาราง

```
[mysql> USE Java;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
[mysql> SELECT * FROM Person;
+-----+-----+-----+
| ID    | Name  | Sex  |
+-----+-----+-----+
| 1     | jub   | M    |
| 2     | job   | M    |
| 3     | jang  | F    |
+-----+-----+-----+
3 rows in set (0.01 sec)

mysql>
```

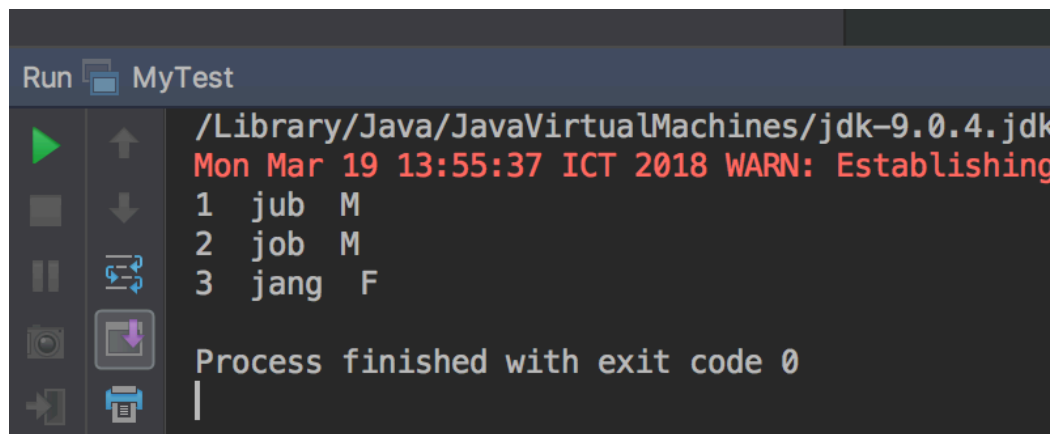
### Backto IntelliJ:

```
import java.sql.*;
```

```

class MyTest{
    public static void main(String args[]){
        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection con=DriverManager.getConnection(
                "jdbc:mysql://localhost:3306/Java","root","password");
            //here Java is database name, root is username and password
            Statement stmt=con.createStatement();
            ResultSet rs=stmt.executeQuery("select * from Person");
            while(rs.next())
                System.out.println(rs.getInt(1)+" "+rs.getString(2)+"
"+rs.getString(3));
            con.close();
        }
        catch(Exception e){
            System.out.println(e);
        }
    }
}

```



```

Run MyTest
/Library/Java/JavaVirtualMachines/jdk-9.0.4.jdk
Mon Mar 19 13:55:37 ICT 2018 WARN: Establishing
1 jub M
2 job M
3 jang F
Process finished with exit code 0

```

### Stop mysql:

> brew services stop mysql

### Reference :

- <https://gist.github.com/nrollr/3f57fc15ded7dddddcc4e82fe137b58e>
- <https://www.javatpoint.com/example-to-connect-to-the-mysql-database>