

# **ISYS2014 - Database Systems**

## ***Final Assignment***

### ***User Documentation***

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**Practical Class (Building: 314.114 | Time: 4pm - 6pm | Day: Every Wednesday)**

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# Introduction

This is the User guide that will help establish the Database.

## How to Use

1. First step is to ensure MySQL is installed in your system and is up to date.
2. Navigate to the Assignment Folder (in this case labeled Saubankidwai\_20748199)
3. Inside this directory there are 3 more directories - Report\_and\_other, Sample\_Database and Setup\_Files. Navigate to the Setup\_Files folder. (As Shown in Figure 1)

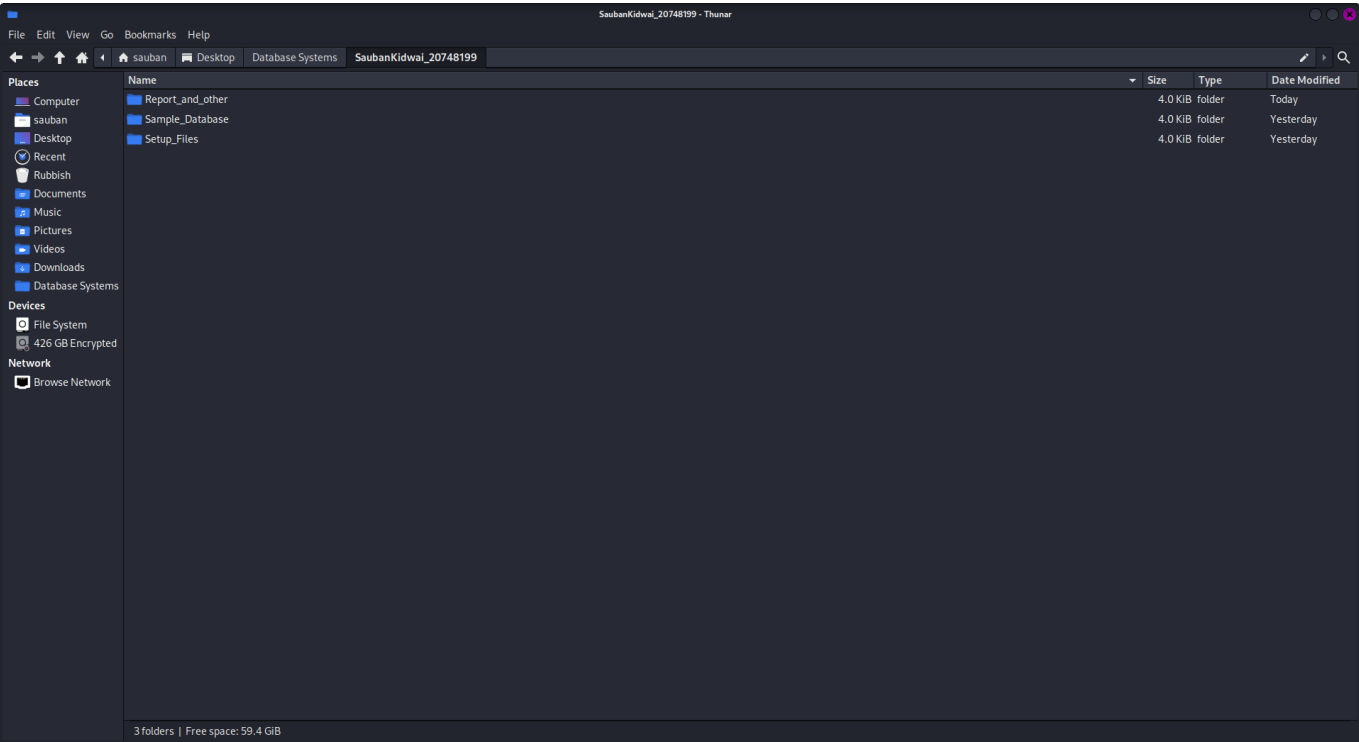


Figure 1

4. Open a Terminal within this directory.
5. To Log into the MySQL Server, if not already active, you will have to activate the server. This command may vary with different Linux Installations. The system used to run this Assignment is Using Kali Linux. In the Command Line type in `service mysql start` as shown in Figure 1.

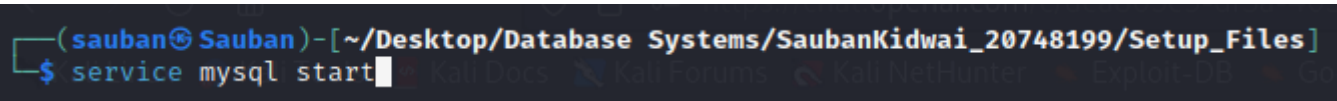


Figure 2

6. It may ask you to enter your system password to start the server
7. Once that is done, type in the following command `mysql -u root -p` as shown in Figure 2. (This also may vary as it depends how the server was set up in your system).
8. Once done it will prompt you to enter your password.
9. Once the password has been entered, it should enter into the MySQL server as shown in Figure 3

```
(sauban@Sauban)-[~/Desktop/Database Systems/SaubanKidwai_20748199/Setup_Files]
$ service mysql start

(sauban@Sauban)-[~/Desktop/Database Systems/SaubanKidwai_20748199/Setup_Files]
$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 6
Server version: 5.7.42 MySQL Community Server (GPL)

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owners.

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

mysql>
```

Figure 3

10. To establish the database, there are 2 files that we need to import. `CreateTables.sql` and `Insert_Values.sql` as shown in Figure 4.

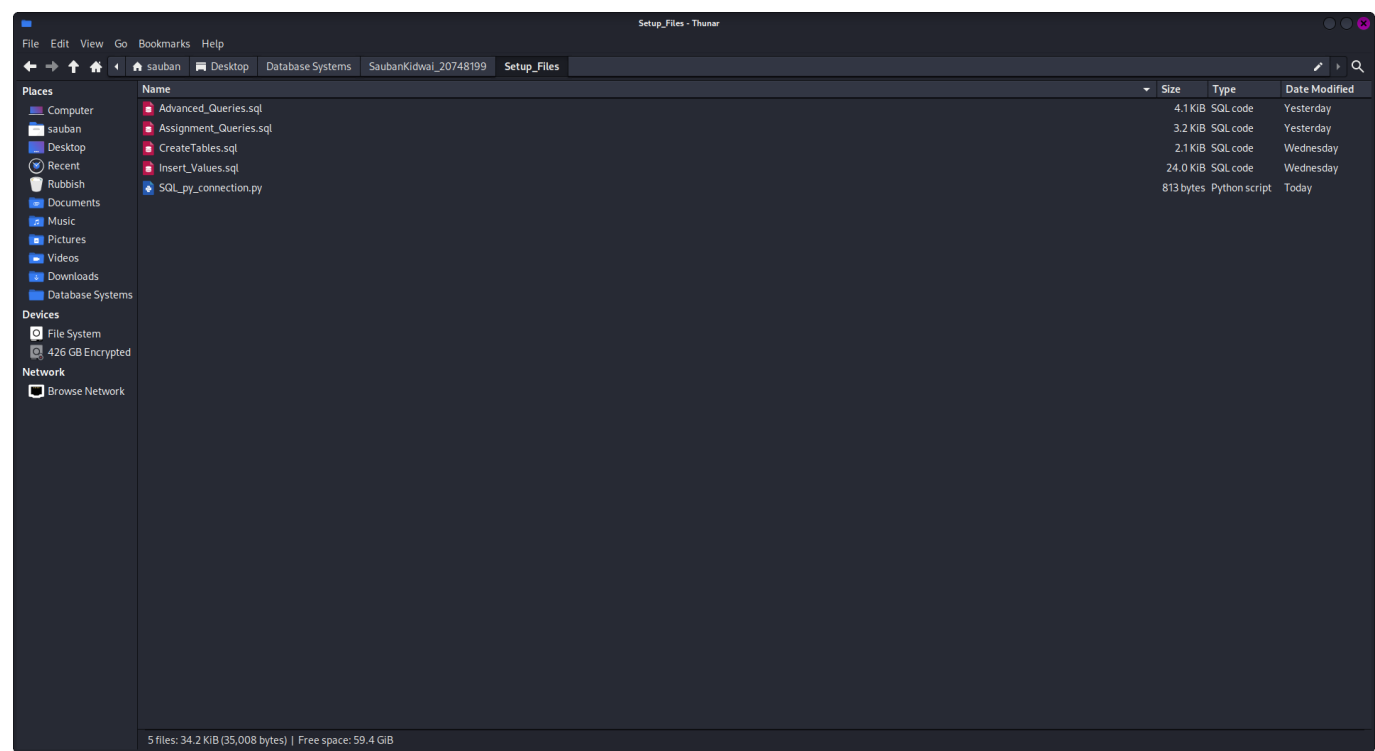


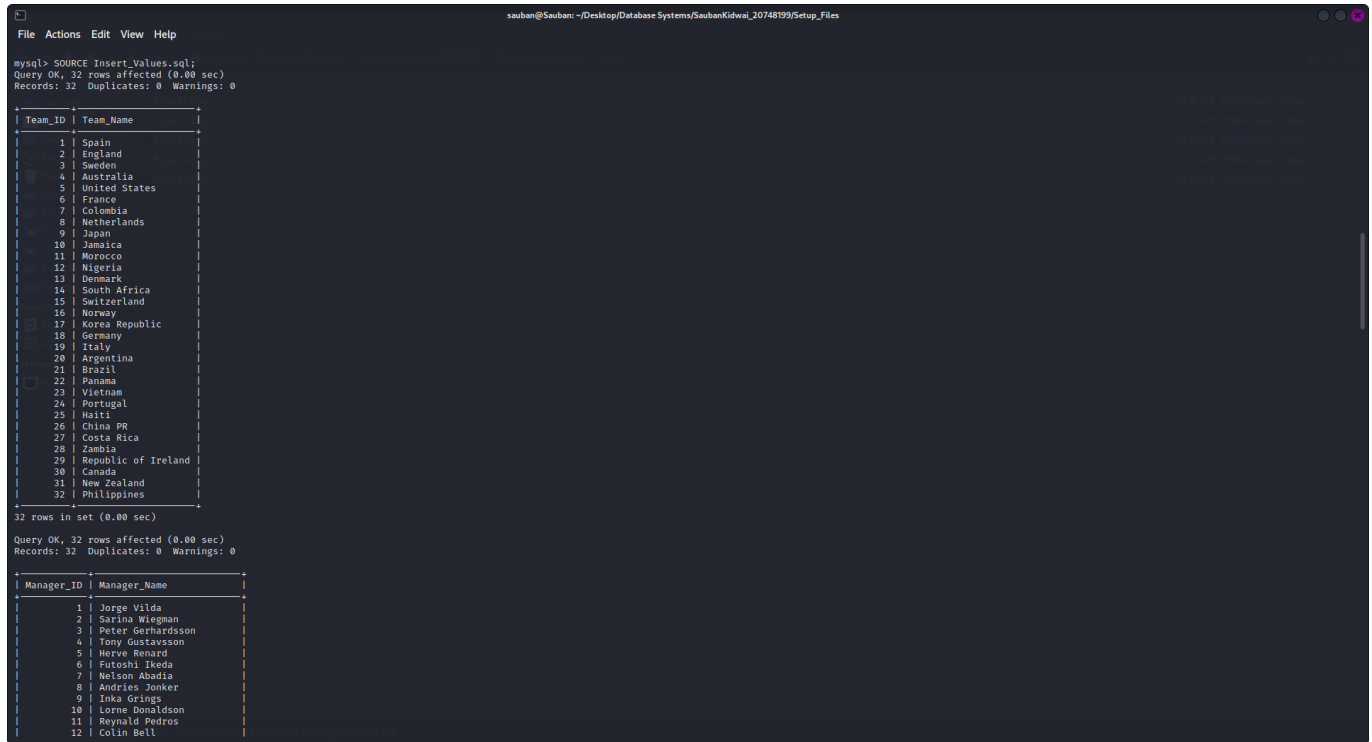
Figure 4

11. To import the first file `CreateTables.sql` in the command line of the MySQL Serve, type in the following command `SOURCE CreateTables.sql;`. Once this command has been type in it should show an output similar to figure 5, where it says Query OK and also shows the Description of all tables in the database called `FIFA_Wor ld_Cup_20748199`.



Figure 5

12. This command creates the database, switches to the new database and then creates the tables required for this assignment. To Insert the values in to this database, run the following command `SOURCE Insert_Values.sql`. When this command is run, it will insert values into the database and also show all the values in each table as shown in figure 6.



```
mysql> SOURCE Insert_Values.sql;
Query OK, 32 rows affected (0.00 sec)
Records: 32 Duplicates: 0 Warnings: 0
```

Team_ID	Team_Name
1	Spain
2	England
3	Sweden
4	Australia
5	United States
6	France
7	Colombia
8	Netherlands
9	Japan
10	Jamaica
11	Morocco
12	Nigeria
13	Denmark
14	South Africa
15	Switzerland
16	Norway
17	Korea Republic
18	Germany
19	Italy
20	Argentina
21	Brazil
22	Panama
23	Vietnam
24	Portugal
25	Haiti
26	China PR
27	Costa Rica
28	Zambia
29	Republic of Ireland
30	Canada
31	New Zealand
32	Philippines

```
32 rows in set (0.00 sec)

Query OK, 32 rows affected (0.00 sec)
Records: 32 Duplicates: 0 Warnings: 0
```

Manager_ID	Manager_Name
1	Jorge Vilda
2	Sarina Wiegman
3	Peter Gerhardsson
4	Tony Gustavsson
5	Herve Renard
6	Futoshi Ikeda
7	Nelson Abadia
8	Andries Jonker
9	Inka Grings
10	Lorne Donaldson
11	Reynald Pedros
12	Colin Bell

Figure 6

13. To then run the queries to manipulate the data, run `SOURCE Assignment_Queries.sql` and then `Advanced_Queries.sql`.
14. And thats is all the neccessary steps to establish the database.