

MySql安装和配置

一. 实验目的

安装Mysql Server 8、Mysql Workbench, 以及Python13和Pycharm环境, 因为本人习惯使用sublime text, 故将Pycharm环境改为sublime text环境。在安装完成之后, 装载文件

DDL_createtbwithpredrop_al.sql 和 largeRelationsInsertFile.sql。

二. 实验方法

1. 安装Mysql Server 8,Mysql Workbench,在<https://www.mysql.com/cn/>中下载mysql-installer-community-8.0.41.0.msi,运行选择安装路径和正确版本,execute进行安装。
2. 下载python3.13, 本人电脑上已有python3环境, 故此步跳过。
3. 配置sublime text环境并且连接mysql server。在sublime text 4中使用快捷ctrl+shift+p, 点击 Package Control:Install Package ,搜索已有插件SQLTools,点击下载完成后, 点击上栏 Preference->Package Setttings->SQLTools->Settings, 将内容替换为

```
{
  "connections": {
    "bocchi": {
      "type"      : "mysql",
      "host"      : "127.0.0.1",
      "port"      : "3306",
      "username"  : "root",
      "password"  : "password",
      "database"  : "mysql",
      "encoding"  : "utf-8"
    },
  },
  "default": "bocchi"
}
```

注意修改编码和密码，防止出现问题。

4. 在MySQL WorkBench 中创建数据库，命名为 `bocchi`，然后在sublime中点击 `Ctrl+Alt+e` ,选择连接数据库 `bocchi`，至此sublime text与MySql连接完成。
 5. 装载数据。分别打开 `DDL_createtbwithpredrop_al.sql` 和 `largeRelationsInsertFile.sql`。分别执行。
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三. 结果展示

按顺序执行以下语句，确保数据集成功载入

1. `SHOW TABLES`

结果：

```
1  WARNING: --compress is deprecated
2  +-----+
3  | Tables_in_bocchi |
4  +-----+
5  | advisor           |
6  | classroom         |
7  | course            |
8  | department        |
9  | instructor        |
10 | prereq             |
11 | section            |
12 | student            |
13 | takes              |
14 | teaches            |
15 | time_slot          |
16 +-----+
17
```

2. `SELECT * FROM bocchi.classroom;`

building	room_number	capacity
Alumni	143	47
Alumni	547	26
Bronfman	700	12
Chandler	375	10
Chandler	804	11
Drown	757	18
Fairchild	145	27
Garfield	119	59
Gates	314	10
Gates	707	65
Grace	40	34
Lambeau	348	51
Lamberton	134	10
Lamberton	143	10
Main	425	22
Main	45	30
Nassau	45	92
Painter	86	97
Polya	808	28
Power	717	12
Power	972	10
Rathbone	261	60
Saucon	113	109
Saucon	180	15
Saucon	844	24
Stabler	105	113
Taylor	183	71
Taylor	812	115
Whitman	134	120
Whitman	434	32

3. SELECT * FROM bocchi.course;

	course_id	title	dept_name	credits
5	101	Diffusion and Phase Transformation	Mech. Eng.	3
6	105	Image Processing	Astronomy	3
7	123	Differential Equations	Mech. Eng.	3
8	127	Thermodynamics	Geology	3
9	130	Differential Geometry	Physics	3
10	133	Antidisestablishmentarianism in Modern America	Biology	4
11	137	Manufacturing	Finance	3
12	139	Number Theory	English	4
13	158	Elastic Structures	Cybernetics	3
14	169	Marine Mammals	Elec. Eng.	3
15	190	Romantic Literature	Civil Eng.	3
16	192	Drama	Languages	4
17	195	Numerical Methods	Geology	4
18	200	The Music of the Ramones	Accounting	4
19	209	International Trade	Cybernetics	4
20	224	International Finance	Athletics	3
21	227	Elastic Structures	Languages	4
22	235	International Trade	Math	3
23	236	Design and Analysis of Algorithms	Mech. Eng.	3
24	237	Surfing	Cybernetics	3
25	238	The Music of Donovan	Mech. Eng.	3
26	239	The Music of the Ramones	Physics	4
27	241	Biostatistics	Geology	3
28	242	Rock and Roll	Marketing	3
29	254	Security	Cybernetics	3
30	258	Colloid and Surface Chemistry	Math	3
31	265	Thermal Physics	Cybernetics	4
32	267	Hydraulics	Physics	4
33	270	Music of the 90s	Math	4
34	272	Geology	Mech. Eng.	3
35	274	Corporate Law	Comp. Sci.	4
36	275	Romantic Literature	Languages	3
37	276	Game Design	Comp. Sci.	4
38	278	Greek Tragedy	Statistics	4
39	284	Topology	Comp. Sci.	4
40	292	Electron Microscopy	English	4
41	304	Music 2 New for your Instructor	Finance	4
42	313	International Trade	Marketing	3
43	318	Geology	Cybernetics	3
44	319	World History	Finance	4
45	324	Ponzi Schemes	Civil Eng.	3
46	328	Composition and Literature	Cybernetics	3
47	334	International Trade	Athletics	3
48	337	Differential Geometry	Statistics	3
49	338	Graph Theory	Psychology	3
50	340	Corporate Law	History	3
51	341	Quantum Mechanics	Cybernetics	3
52	344	Quantum Mechanics	Accounting	4
53	345	Race Car Driving	Accounting	4
54	346	Graphic Design	Comp. Eng.	3

这里数据过多，仅展示开头部分

四. 实验结论

本次实验较为简单，只涉及软件的安装和配置，在遇到问题时我通过搜索引擎正确解决了问题。对于应用软件的安装和配置有了更深的理解，对我以后使用其他各种软件有很大的帮助。