

MongoDB Compass - localhost:27017/test.projects_infos

Connect View Collection Help

localhost:27017

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ADD DATA EXPORT COLLECTION

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#	projects_infos	_id ObjectId	name String	semester String	registration Int32	Email String	ProjectTitle String	
1		ObjectId('63bfb99fb74e433554')	"Haseeb"	"Stb"	724	"haseeb@gmail.com"	"UI/UX Developer"	
2		ObjectId('63bfb99fb74e433554')	"MOIZ KHAN"	"Stb"	744	"Moiz@gmail.com"	"App Development"	
3		ObjectId('63bfb99fb74e433554')	"Wajid Ali Khan"	"Stb"	745	"wajid@gmail.com"	"Web Development"	
4		ObjectId('63bfb99fb74e433554')	"Behram Khan"	"Stb"	731	"Behram@gmail.com"	"APP Dev/Project Nu"	
5		ObjectId('63bfb99fb74e433554')	"AZHAT Ullah"	"Stb"	714	"Azmat@gmail.com"	"Web Development"	
6		ObjectId('63bfb99fb74e433554')	"Sohailb"	"Stb"	734	"sohail@gmail.com"	"Database/Back-End"	
7		ObjectId('63bfb99fb74e433554')	"Bahloul Mukarik"	"Stb"	794	"Bahloul@gmail.com"	"Data science"	
8		ObjectId('63bfb99fb74e433554')	"Huzameil AbdulRehman"	"Stb"	784	"huzameil@gmail.com"	"UI/UX Developer"	
9		ObjectId('63bfb99fb74e433554')	"Dawood"	"Stb"	742	"Dawood@gmail.com"	"Database/Back-End"	

MongoBD for Website

```

1 import mongoose from 'mongoose'
2
3
4 mongoose.connect('mongodb://127.0.0.1:27017/test');
5
6
7
8 const Document = new mongoose.Schema({
9   name: 'string',
10  semester: 'string',
11  registration: 'Number',
12  Email: 'string',
13  Gpa: 'Number',
14  ProjectTitle: 'string',
15  Batch: 'Number'
16 })
17 const Project = new mongoose.model('PROJECTS_Info', Document);
18
19 Project.create([
20   {
21     name: 'MOIZ KHAN',
22     semester: '5th',
23     registration: '0744',
24     Email: 'Moiz@gmail.co',
25     ProjectTitle: 'App Development',
26     Batch: '20'
27   },
28   {
29     name: 'Wajid Ali kha',
30     semester: '5th',
31     registration: '0745',
32     Email: 'wajid@gmail.com',
33     ProjectTitle: 'Web Development',
34     Batch: '20'
35   },
36   {
37     name: 'Behram',
38     semester: '5th',
39     registration: '0731',
40     Email: 'Behram@gmail.co',
41     ProjectTitle: 'APP Dev/Project Manage',
42     Batch: '20'
43   },
44   {
45     name: 'AZMAT',
46     semester: '5th',
47     registration: '0714',
48     Email: 'Azmat@gmail.com',
49     ProjectTitle: 'Web Development',
50     Batch: '20'
51   },
52   {
53     name: 'HASEEB',
54     semester: '5th',
55     registration: '0724',
56     Email: 'Haseeb@gmail.co',
57     ProjectTitle: 'UI/UX Development',
58     Batch: '20'
59   },
60   {
61     name: 'Sohaib',
62     semester: '5th',
63     registration: '0734',
64     Email: 'Sohaib@gmail.co',
65     ProjectTitle: 'Database/Back-End Development',
66     Batch: '20'
67   },
68   {
69     name: 'Dawood',
70     semester: '5th',
71     registration: '0742',
72     Email: 'Dawood@gmail.co',
73     ProjectTitle: 'Database/Back-End Development',
74     Batch: '20'
75   },
76   {
77     name: 'Bahloul',
78     semester: '5th',
79     registration: '0794',
80     Email: 'Bahloul@gmail.com',
81     ProjectTitle: 'Data science',
82     Batch: '20'
83   },
84   {
85     name: 'Muzamil AbdulRehma',
86     semester: '5th',
87     registration: '0784',
88     Email: 'Muzamil@gmail.co',
89     ProjectTitle: 'UI/UX Development',
90     Batch: '20'
91   }
92 ],
93 )
94

```

SQL DataBase

Normalized Database

The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane displays a tree view of the database structure. The 'database1' database is expanded, showing tables 'project', 'project_data', and 'supervisor'. The 'supervisor' table is selected, and its structure is shown in the 'Table: supervisor' pane. The columns are: sup_id (varchar(255)), sup_name (varchar(255)), sup_dep (varchar(255)), sup_comm (varchar(255)), and sup_approval (varchar(255)).

The main query editor shows a single query: `SELECT * FROM database1.supervisor;`. The 'Result Grid' pane displays the results of this query, showing columns: sup_id, sup_name, sup_dep, sup_comm, and sup_approval. The 'Output' pane shows the execution log with two entries: a successful query execution at 08:02:28 and a successful query execution at 08:02:31.

The screenshot shows the MySQL Workbench interface with a SQL script in the main editor. The script contains the following SQL statements:

```
1 CREATE TABLE project_data (  
2     GroupNo INTEGER,  
3     RegistrationNo INTEGER,  
4     GroupMembers VARCHAR(255),  
5     Marks INTEGER,  
6     ProjectTitle VARCHAR(255),  
7     Supervisor VARCHAR(255),  
8     Approval VARCHAR(10)  
9 );  
10 DROP TABLE project_data;  
11 SELECT * FROM project_data;  
12 CREATE TABLE supervisor(  
13     sup_id varchar(255),  
14     sup_name varchar(255),  
15     sup_dep varchar(255),  
16     sup_comm varchar(255),  
17     sup_approval varchar(255)  
18 );
```

The 'Result Grid' pane shows the results of the queries, displaying columns: sup_id, sup_name, sup_dep, sup_comm, and sup_approval. The 'Output' pane shows the execution log with two entries: a successful query execution at 08:02:28 and a successful query execution at 08:02:31.

MySQL Workbench

Local instance MySQL80 x

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Navigator

SCHEMAS

Filter objects

data base

database1

Tables

project

project_data

supervisor

Views

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mydatabase

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Administration Schemas

Information

Table: supervisor

Columns:

sup_id varchar(255)

sup_name varchar(255)

sup_dep varchar(255)

sup_comm varchar(255)

sup_approval varchar(255)

Object Info Session

SQL File 5* project project_data supervisor

Limit to 1000 rows

1 • SELECT * FROM database1.project_data;

Result Grid

Filter Rows: Exports: Wrap Cell Content: I

GroupNo RegistrationNo GroupMembers Marks ProjectTitle Supervisor Approval

project_data 1 x

Read Only

Output

Action Output

Time Action Message Duration / Fetch

2 08:02:28 SELECT * FROM database1.project_data LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec

3 08:02:31 SELECT * FROM database1.supervisor LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec

Type here to search

8:02 am 29/01/2023

MySQL Workbench

Local instance MySQL80 x

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Navigator

SCHEMAS

Filter objects

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database1

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Table: supervisor

Columns:

sup_id varchar(255)

sup_name varchar(255)

sup_dep varchar(255)

sup_comm varchar(255)

sup_approval varchar(255)

Object Info Session

SQL File 5* project project_data supervisor

Limit to 1000 rows

1 • SELECT * FROM database1.project;

Result Grid

Filter Rows: Exports: Wrap Cell Content: I

studend_name registration_number project_title comments

project 1 x

Read Only

Output

Action Output

Time Action Message Duration / Fetch

2 08:02:28 SELECT * FROM database1.project_data LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec

3 08:02:31 SELECT * FROM database1.supervisor LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec

Type here to search

8:02 am 29/01/2023