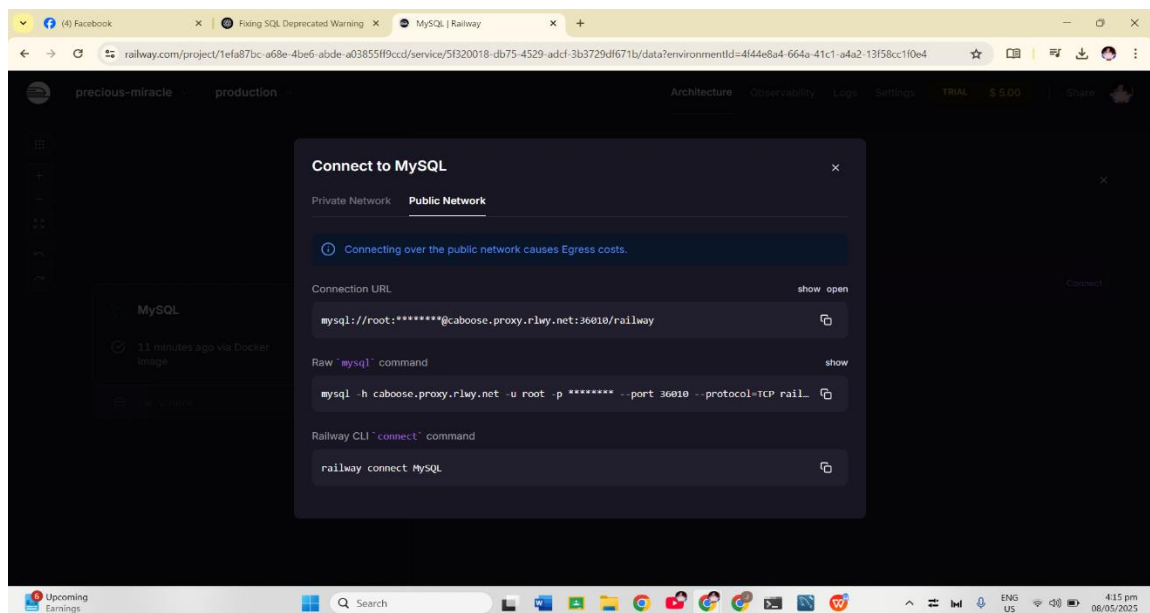
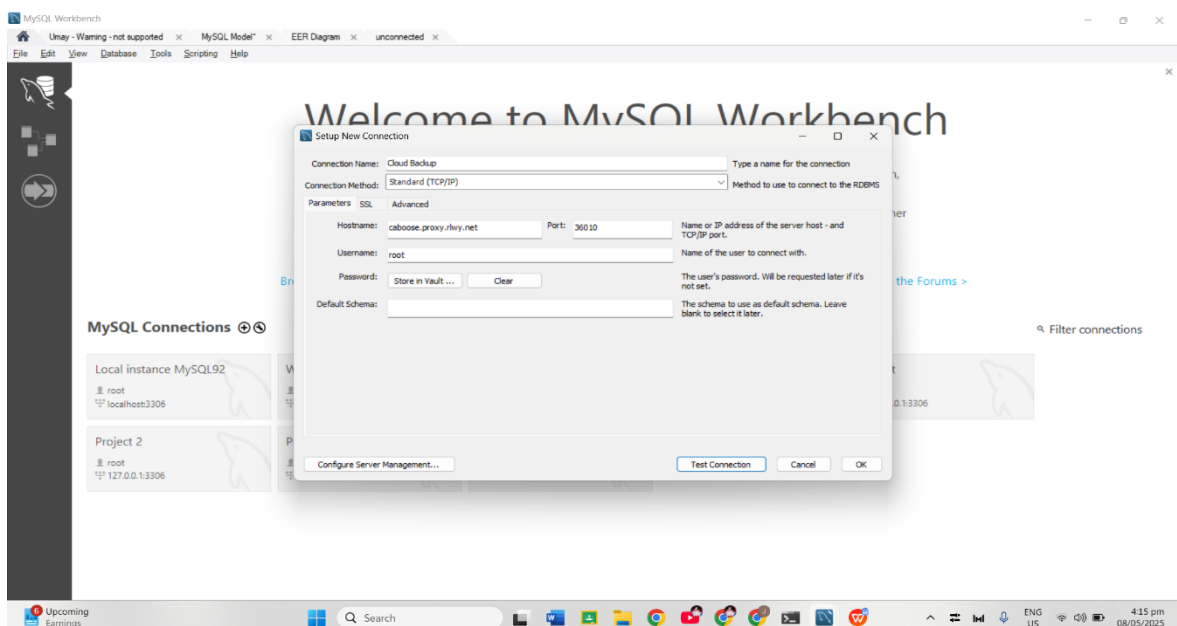




Documentation of cloud deployment (screenshots + brief description)



We used Railway as a cloud deployment platform to host a MySQL database and connect it to MySQL Workbench for local database management. First, we logged into Railway then created account and then deployed a new project. After the deployment, the Railway provided us the connection details for our MySQL database, that includes the connection URL, host, port, username (root), and password. The host that provided by railway was caboose.proxy.rlwy.net with port 36010, as well as the root password was also provided.

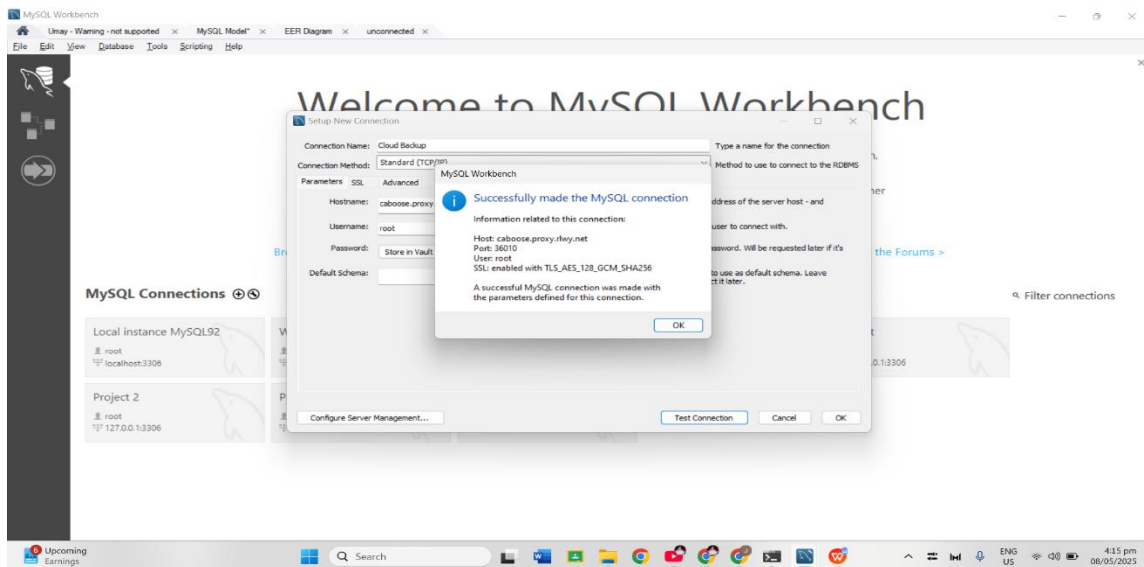




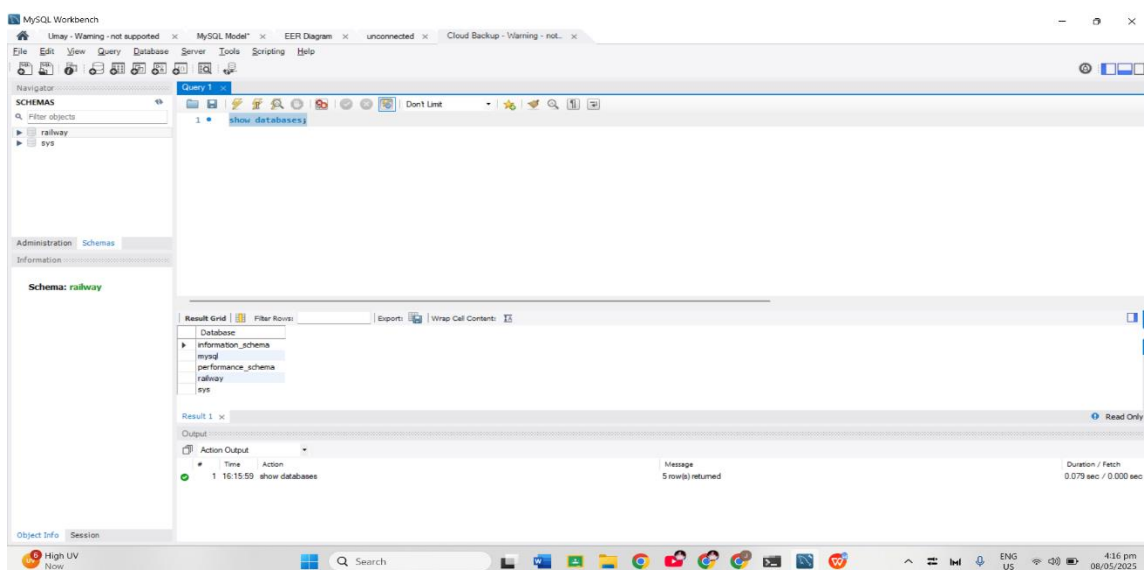
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Next, we opened the MySQL Workbench and created a new connection. We enter the details provided by railway which include the hostname and port, the username as "root", and the password generated by Railway. After configuring these settings,



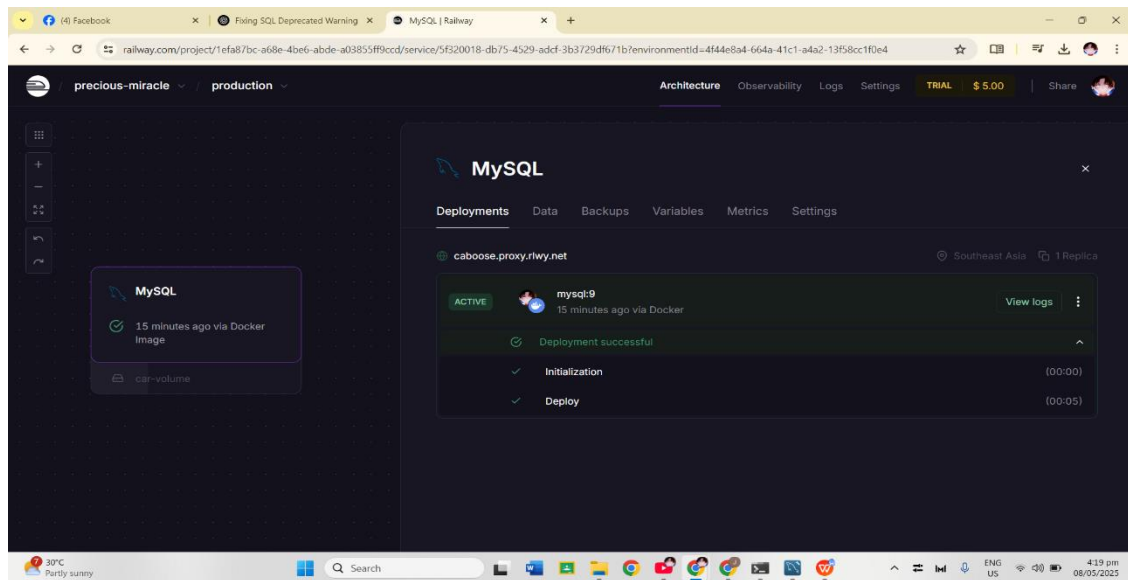
We clicked on the "Test Connection" button. MySQL Workbench to confirm that if we do correctly and fortunately connection was successful, that indicates we had configured it correctly the remote MySQL database connection.



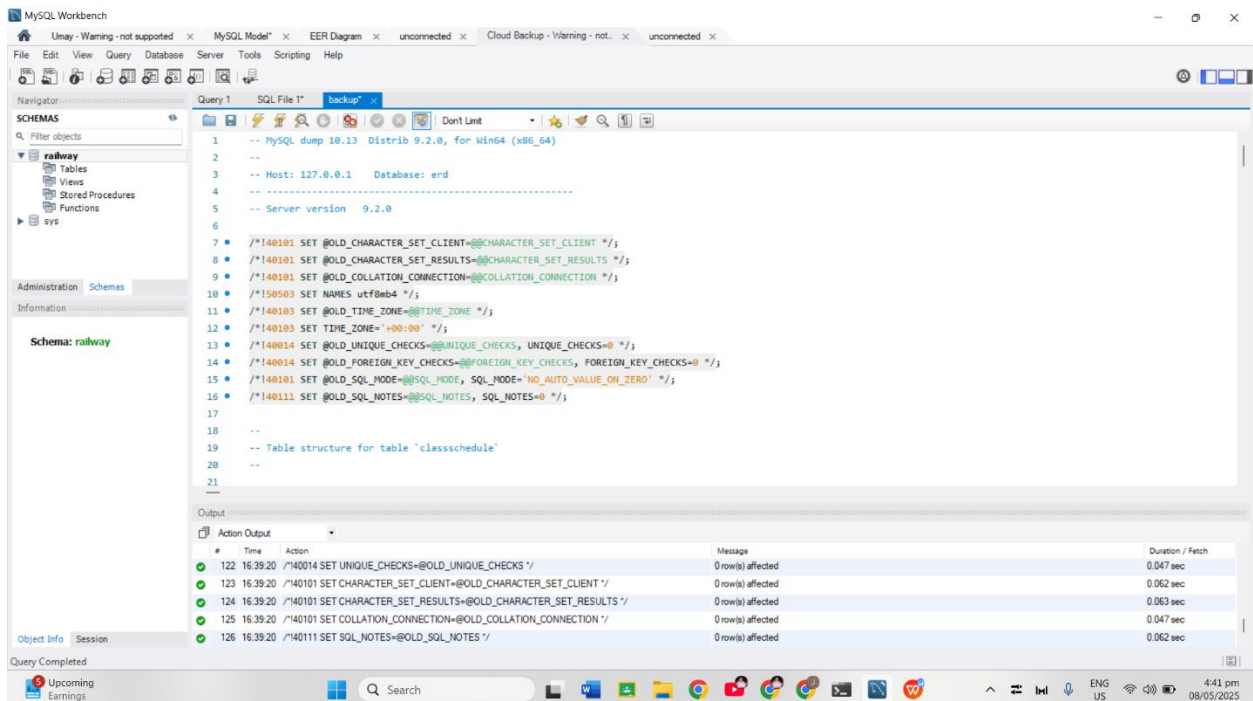
After the successful connection, we query the show database to make sure that it access our database, then another successful query.



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Then, we go back to the railway to see activity in the site and after we go to the backups to see if the backup file uploaded to the site. But unfortunately there is no uploaded, by this we thought that we had a mistake then we find out that we have to upload the files in mysql and run the query.



After querying the script, we finally upload our back up to the railway.



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MySQL Workbench

Query 1: SQL File "backup"

```
1. SELECT COUNT(*) FROM classschedule;
```

```
2. SELECT * FROM student LIMIT 5;
```

StudentID	lastname	firstname	middleInitial	DOB	Email	contact	street	barangay	municipality	province	block	CourseID
1	Miller	A		2003-11-23	ava.miller@school.edu	635770586831	F. Aguedo Drive	Pana	Guinobatan	Albay	1A	4
2	Flores	B		2005-03-17	julva.flores@school.edu	635710230172	Magallanes St	Baybay	Legazpi City	Albay	1A	2
3	Lopez	Isabella	C	2000-02-25	isabella.lopez@school.edu	638947505532	Rizal Street	Baybay	Sto. Domingo	Albay	1A	3
4	Lewis	Logan	D	2003-06-19	logan.lewis@school.edu	635633088061	Washington Drive	Tula-Tula	Polangui	Albay	1A	1
5	Sanchez	Lucas	E	1997-12-09	lucas.sanchez@school.edu	635724581439	Magallanes St	Iliadod	Polangui	Albay	1A	1

student 1 x

Output

#	Time	Action	Message	Duration / Fetch
125	16:39:20	/*140101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */	0 row(s) affected	0.047 sec
126	16:39:20	/*140111 SET SQL_NOTES=@OLD_SQL_NOTES */	0 row(s) affected	0.062 sec
127	16:40:06	Select * From Student	Error Code: 1146. Table 'railway Student' doesn't exist	0.062 sec
128	16:40:59	SELECT * FROM student LIMIT 5	5 row(s) returned	0.063 sec / 0.000 sec

Then, we query the SELECT to see if it is successful and we got happy when it shows us the table that has the data, which means it is successful.

MySQL | Railway

precious-miracle / production

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MySQL

38 minutes ago via Docker Image

car-volume

MySQL

Deployments Data Backups Variables Metrics Settings

Connect to the database MySQL

Tables

classschedule	course	enrollment	faculty	grades	student
student_subject	subject				

Create table

After finalizing, we back to the site of railway and it was so happy that the backup file successfully uploaded.