Bu çalışma Oğuzhan Selçuk Hızıroğlu tarafından AWS re/Start Cohort-2 öğrencileri için hazırlanmıştır.

Home | Course Modules: AWS re/Start FC | 268-[DF]-Lab - Database Table O | Workbench | Vocareum Labs

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AWS

▶ Start Lab | ■ End Lab | ℹ AWS Details

Tıkla

EN-US

Database Table Operations

Scenario

The database operations team for an organization has configured a relational database instance. The team has asked you to practice creating and dropping (deleting) databases and tables.

Lab overview and objectives

This lab demonstrates how to use some common database and table operations.

After completing this lab, you should be able to:

- Use the **CREATE** statement to create databases and tables
- Use the **SHOW** statement to view available databases and tables
- Use the **ALTER** statement to alter the structure of a table
- Use the **DROP** statement to delete databases and tables

When you start the lab, the following resources are already created for you:

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Database Table Operations

Scenario

The database operations team for an organization has configured a relational database instance. The team has asked you to practice creating and dropping (deleting) databases and tables.

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When you start the lab, the following resources are already created for you:

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AWS | 01:55 | Start Lab | End Lab | AWS Details

EN-US

Tıkla

Database Table Operations

Scenario

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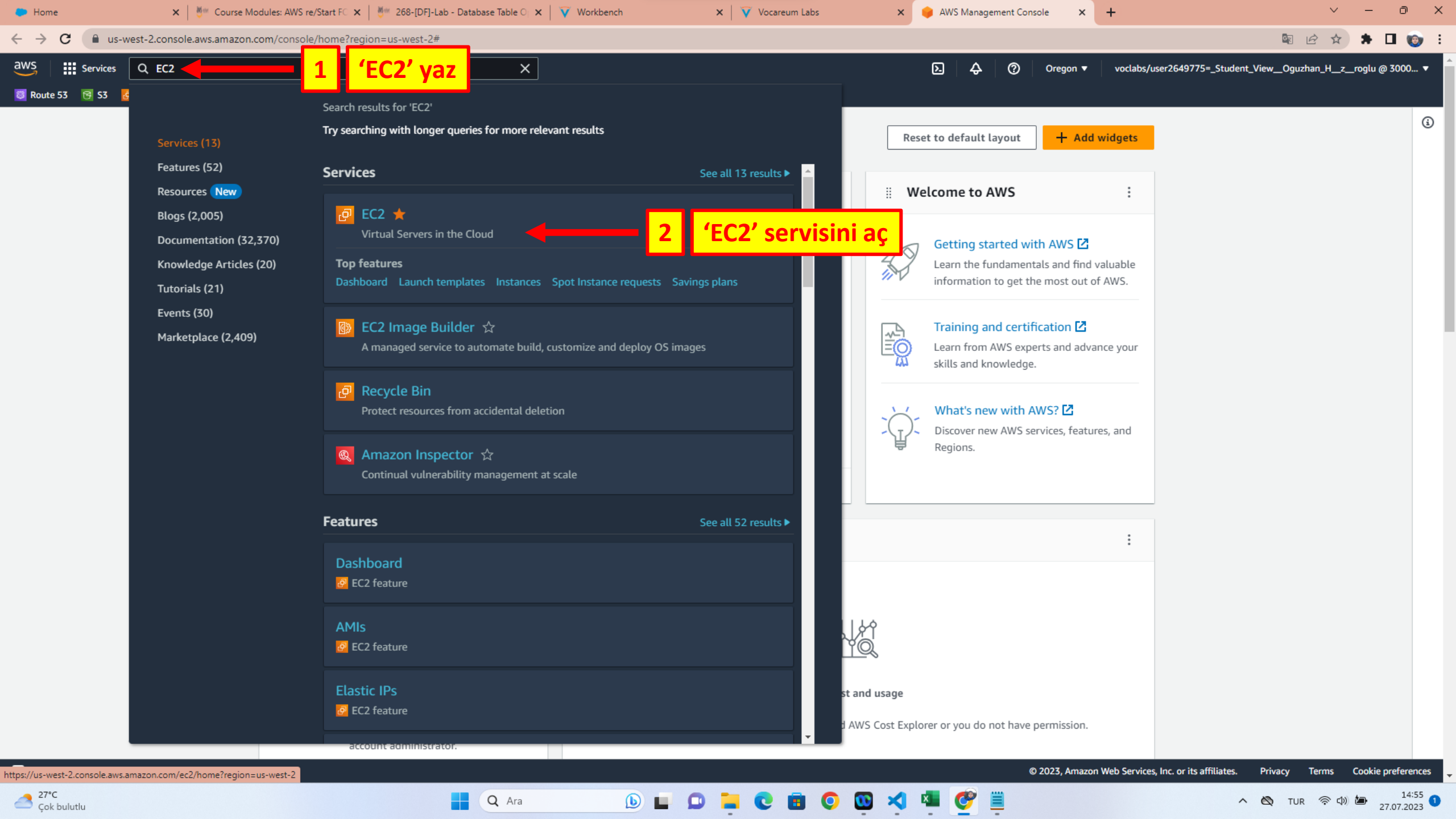
When you start the lab, the following resources are already created for you:

27°C Çok bulutlu | Ara | TUR | 14:54 27.07.2023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AWS Management Console
us-west-2.console.aws.amazon.com/console/home?region=us-west-2#
aws
Services
EC2
1
'EC2' yaz
Oregon
voclabs/user2649775=_Student_View__Oguzhan_H__z__roglu @ 3000...
Route 53
S3
Search results for 'EC2'
Try searching with longer queries for more relevant results
Services (13)
Features (52)
Resources New
Blogs (2,005)
Documentation (32,370)
Knowledge Articles (20)
Tutorials (21)
Events (30)
Marketplace (2,409)
Services
See all 13 results
EC2
Virtual Servers in the Cloud
2
'EC2' servisini aç
Top features
Dashboard
Launch templates
Instances
Spot Instance requests
Savings plans
EC2 Image Builder
A managed service to automate build, customize and deploy OS images
Recycle Bin
Protect resources from accidental deletion
Amazon Inspector
Continual vulnerability management at scale
Features
See all 52 results
Dashboard
EC2 feature
AMIs
EC2 feature
Elastic IPs
EC2 feature
Reset to default layout
Add widgets
Welcome to AWS
Getting started with AWS
Learn the fundamentals and find valuable information to get the most out of AWS.
Training and certification
Learn from AWS experts and advance your skills and knowledge.
What's new with AWS?
Discover new AWS services, features, and Regions.
st and usage
AWS Cost Explorer or you do not have permission.
account administrator.
https://us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2
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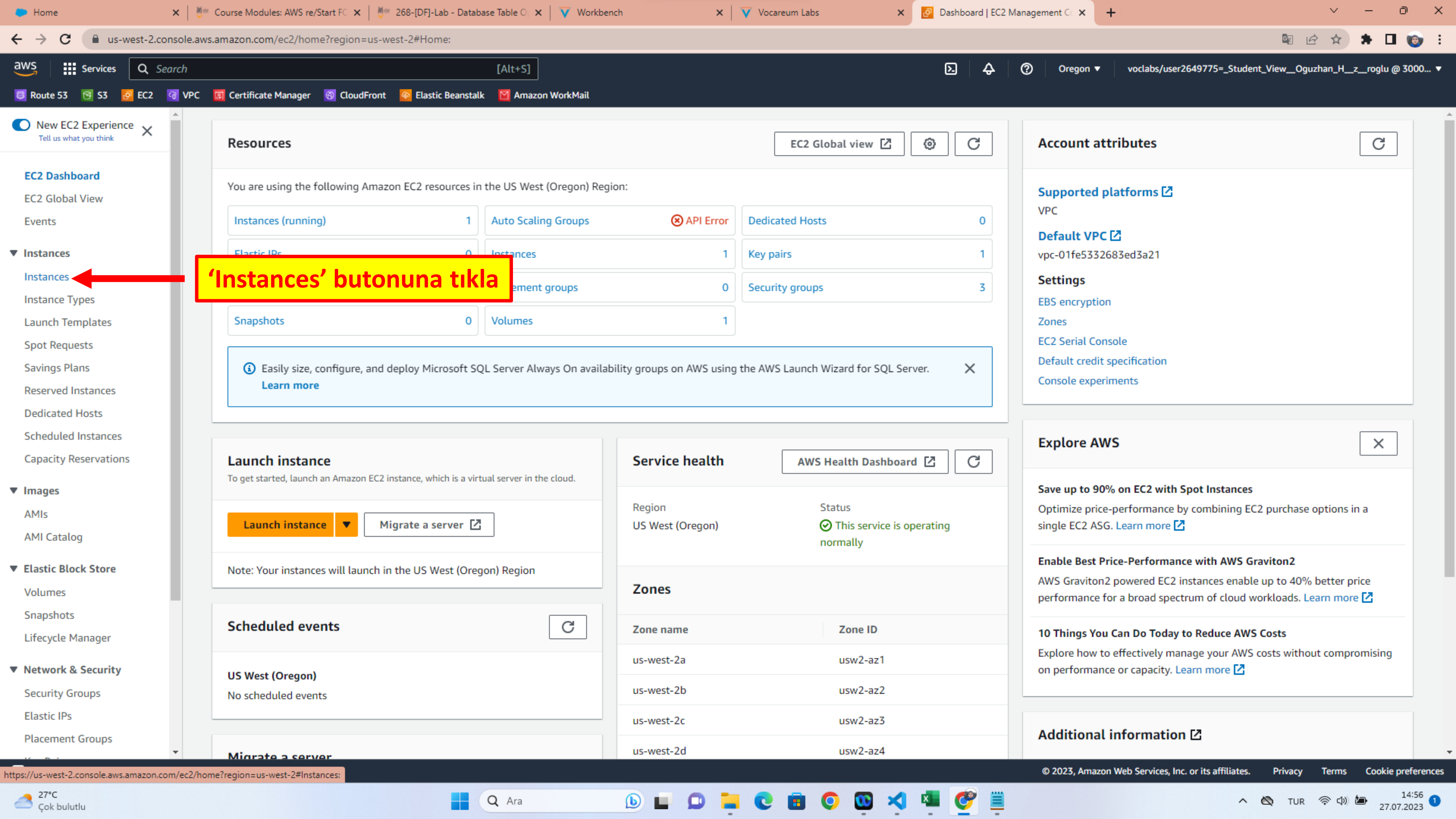
Çok bulutlu
Ara
TUR
14:55
27.07.2023


‘Instances’ butonuna tıkla
us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Home:
Services
Search
[Alt+S]
Oregon
voclabs/user2649775=_Student_View__Oguzhan_H__z__roglu @ 3000...
Route 53
S3
EC2
VPC
Certificate Manager
CloudFront
Elastic Beanstalk
Amazon WorkMail
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Security Groups
Elastic IPs
Placement Groups
Resources
EC2 Global view
You are using the following Amazon EC2 resources in the US West (Oregon) Region:
Instances (running) 1
Auto Scaling Groups
API Error
Dedicated Hosts 0
Instances 1
Key pairs 1
Security groups 3
Snapshots 0
Volumes 1
Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server.
Learn more
Launch instance
To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.
Launch instance
Migrate a server
Note: Your instances will launch in the US West (Oregon) Region
Scheduled events
US West (Oregon)
No scheduled events
Service health
AWS Health Dashboard
Region
US West (Oregon)
Status
This service is operating normally
Zones
Zone name
Zone ID
us-west-2a
usw2-az1
us-west-2b
usw2-az2
us-west-2c
usw2-az3
us-west-2d
usw2-az4
Account attributes
Supported platforms
VPC
Default VPC
vpc-01fe5332683ed3a21
Settings
EBS encryption
Zones
EC2 Serial Console
Default credit specification
Console experiments
Explore AWS
Save up to 90% on EC2 with Spot Instances
Optimize price-performance by combining EC2 purchase options in a single EC2 ASG. Learn more
Enable Best Price-Performance with AWS Graviton2
AWS Graviton2 powered EC2 instances enable up to 40% better price performance for a broad spectrum of cloud workloads. Learn more
10 Things You Can Do Today to Reduce AWS Costs
Explore how to effectively manage your AWS costs without compromising on performance or capacity. Learn more
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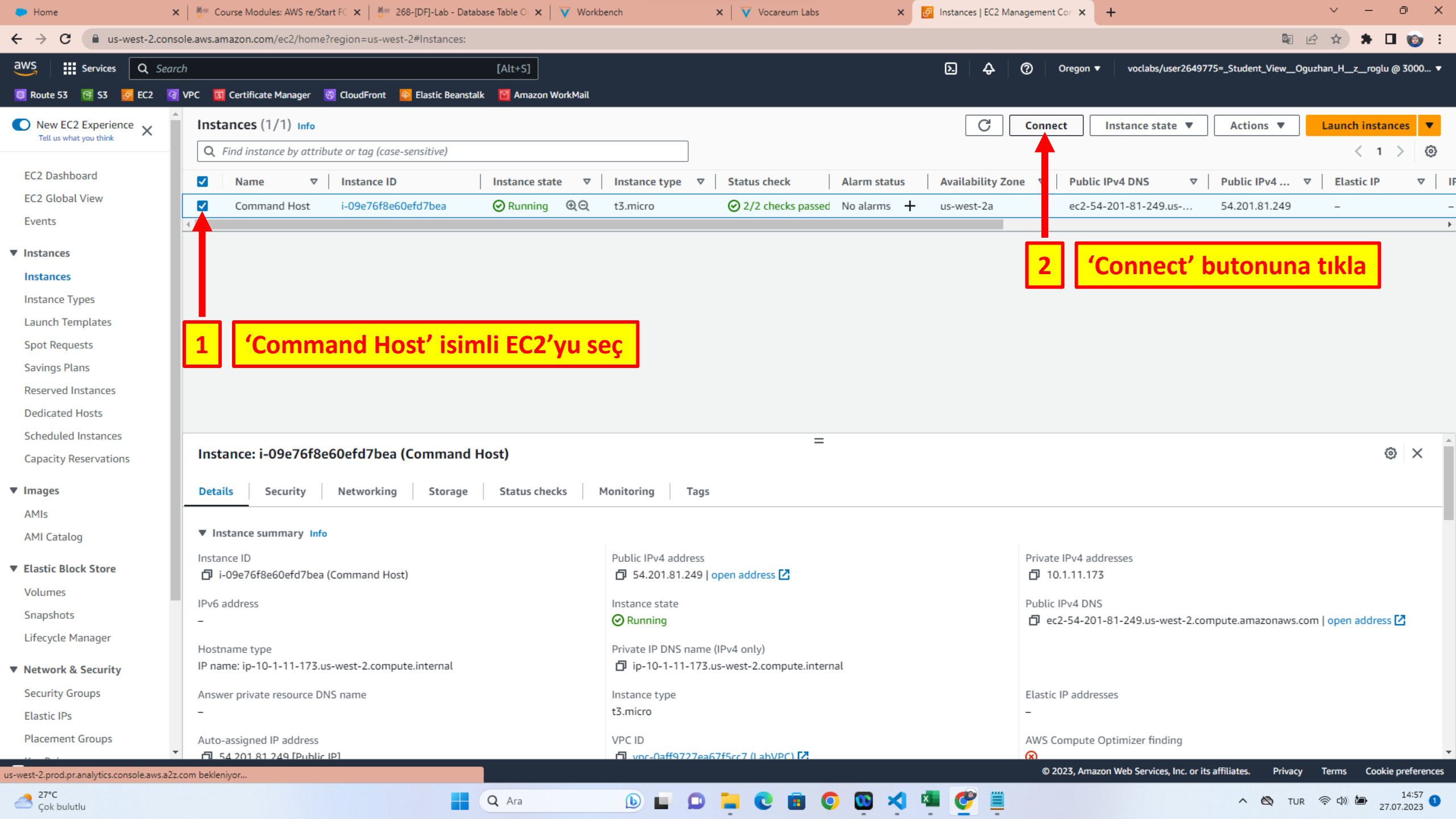
Home
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Vocareum Labs
Instances | EC2 Management Cor
us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:
aws
Services
Search
[Alt+S]
Oregon
voclabs/user2649775=_Student_View__Oguzhan_H__z__roglu @ 3000...
Route 53
S3
EC2
VPC
Certificate Manager
CloudFront
Elastic Beanstalk
Amazon WorkMail
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
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Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Security Groups
Elastic IPs
Placement Groups
Instances (1/1) Info
Find instance by attribute or tag (case-sensitive)
Connect
Instance state
Actions
Launch instances
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
Public IPv4 ...
Elastic IP
Command Host
i-09e76f8e60efd7bea
Running
t3.micro
2/2 checks passed
No alarms
us-west-2a
ec2-54-201-81-249.us-...
54.201.81.249
2
‘Connect’ butonuna tıkla
1
‘Command Host’ isimli EC2’yu seç
Instance: i-09e76f8e60efd7bea (Command Host)
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-09e76f8e60efd7bea (Command Host)
IPv6 address
–
Hostname type
IP name: ip-10-1-11-173.us-west-2.compute.internal
Answer private resource DNS name
–
Auto-assigned IP address
54.201.81.249 [Public IP]
Public IPv4 address
54.201.81.249 | open address
Instance state
Running
Private IP DNS name (IPv4 only)
ip-10-1-11-173.us-west-2.compute.internal
Instance type
t3.micro
VPC ID
Private IPv4 addresses
10.1.11.173
Public IPv4 DNS
ec2-54-201-81-249.us-west-2.compute.amazonaws.com | open address
Elastic IP addresses
–
AWS Compute Optimizer finding
us-west-2.prod.pr.analytics.console.aws.a2z.com bekleniyor...
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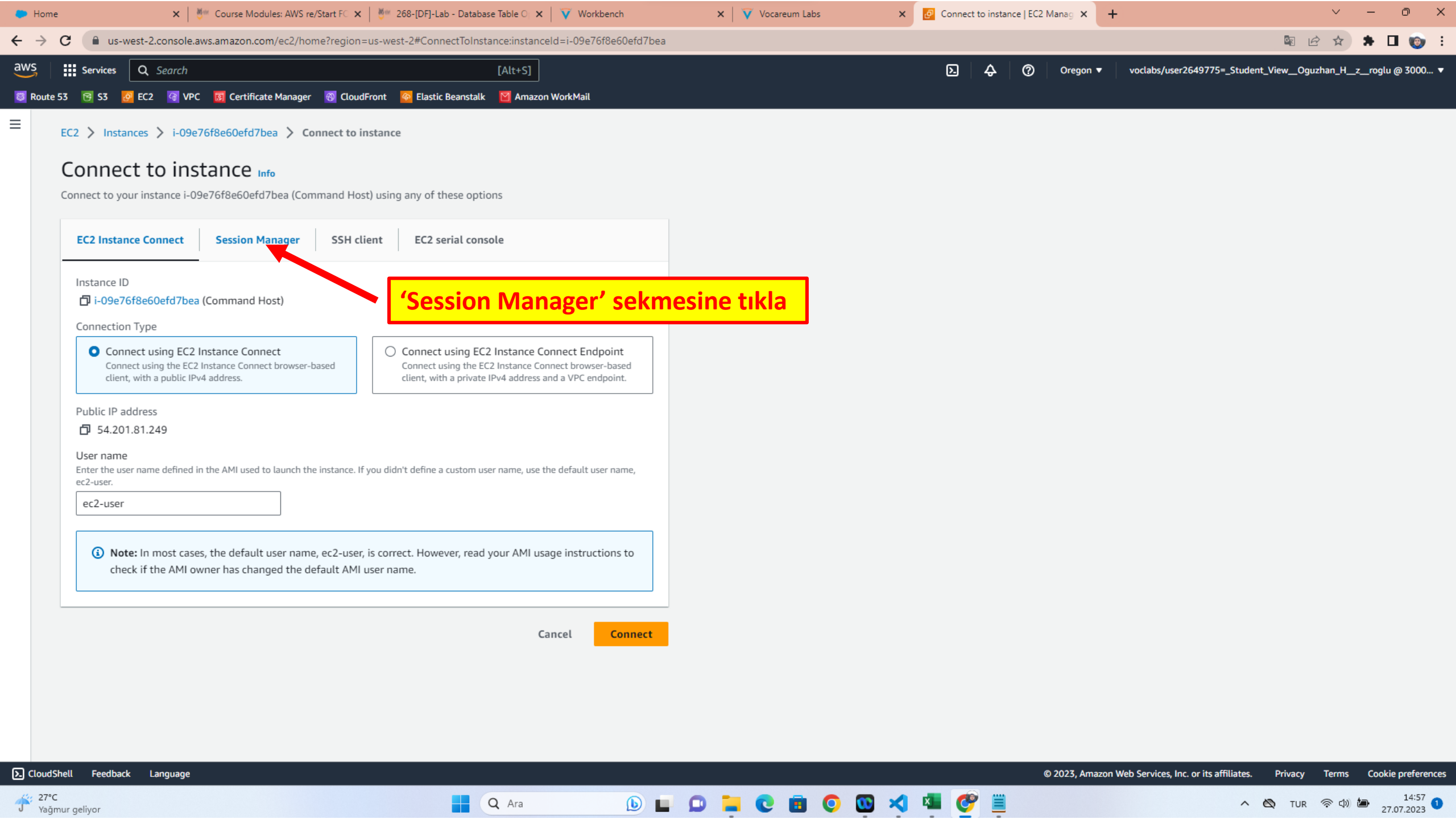
Çok bulutlu
Ara
TUR
14:57
27.07.2023


Home
Course Modules: AWS re/Start
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Workbench
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Connect to instance | EC2 Manag
us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#ConnectToInstance:instanceId=i-09e76f8e60efd7bea
aws
Services
Search
[Alt+S]
Oregon
voclabs/user2649775=_Student_View__Oguzhan_H__z__roglu @ 3000...
Route 53
S3
EC2
VPC
Certificate Manager
CloudFront
Elastic Beanstalk
Amazon WorkMail
EC2 > Instances > i-09e76f8e60efd7bea > Connect to instance
Connect to instance Info
Connect to your instance i-09e76f8e60efd7bea (Command Host) using any of these options
EC2 Instance Connect
Session Manager
SSH client
EC2 serial console
Instance ID
i-09e76f8e60efd7bea (Command Host)
Connection Type
Connect using EC2 Instance Connect
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.
Connect using EC2 Instance Connect Endpoint
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.
Public IP address
54.201.81.249
User name
Enter the user name defined in the AMI used to launch the instance. If you didn't define a custom user name, use the default user name, ec2-user.
ec2-user
Note: In most cases, the default user name, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.
Cancel
Connect
‘Session Manager’ sekmesine tıkla
CloudShell
Feedback
Language
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Yağmur geliyor
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Home | Course Modules: AWS re/Start FC | 268-[DF]-Lab - Database Table O | Workbench | Vocareum Labs | Connect to instance | EC2 Manag

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#ConnectToInstance:instanceId=i-09e76f8e60efd7bea

aws | Services | Search [Alt+S] | Oregon | voclabs/user2649775=_Student_View__Oguzhan_H__z__roglu @ 3000...

Route 53 | S3 | EC2 | VPC | Certificate Manager | CloudFront | Elastic Beanstalk | Amazon WorkMail

EC2 > Instances > i-09e76f8e60efd7bea > Connect to instance

Connect to instance Info

Connect to your instance i-09e76f8e60efd7bea (Command Host) using any of these options

EC2 Instance Connect | Session Manager | SSH client | EC2 serial console

Session Manager usage:

- Connect to your instance without SSH keys, a bastion host, or opening any inbound ports.
- Sessions are secured using an AWS Key Management Service key.
- You can log session commands and details in an Amazon S3 bucket or CloudWatch Logs log group.
- Configure sessions on the Session Manager Preferences page.

Cancel | Connect

‘Connect’ butonuna tıkla

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27°C Yağmur geliyor | Ara | TUR | 14:58 27.07.2023

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Sessior

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID:
user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

1 sudo su komutunu yaz ve ardından ENTER'a bas

2 cd /home/ec2-user/ komutunu yaz ve ardından ENTER'a bas

```
sh-4.2$ sudo su
[root@ip-10-1-11-173 bin]# cd /home/ec2-user/
[root@ip-10-1-11-173 ec2-user]#
```

27°C Çok bulutlu

Ara

TUR 15:00 27.07.2023

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Sessior

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
sh-4.2$ sudo su
[root@ip-10-1-11-173 bin]# cd /home/ec2-user/
[root@ip-10-1-11-173 ec2-user]# mysql -u root --password='re:St@rt!9'
```

mysql -u root --password='re:St@rt!9' komutunu yaz ve ardından ENTER'a bas

Yüksek risk
Yarın polen

Ara

TUR

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27.07.2023

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Sessior

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
sh-4.2$ sudo su
[root@ip-10-1-11-173 bin]# cd /home/ec2-user/
[root@ip-10-1-11-173 ec2-user]# mysql -u root --password='re:St@rt!9'
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 13
Server version: 10.6.14-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]>
```

Database instance’ımıza bağlanmış olduk

Yüksek risk
Yarın polen

Ara

TUR

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27.07.2023

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Sessio

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
sh-4.2$ sudo su
[root@ip-10-1-11-173 bin]# cd /home/ec2-user/
[root@ip-10-1-11-173 ec2-user]# mysql -u root --password='re:St@rt!9'
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 13
Server version: 10.6.14-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> SHOW DATABASES;
```

SHOW DATABASES; komutunu yaz ve ardından ENTER'a bas

Ordu Caddesi
Closed road

Ara

TUR 15:01 27.07.2023

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
sh-4.2$ sudo su
[root@ip-10-1-11-173 bin]# cd /home/ec2-user/
[root@ip-10-1-11-173 ec2-user]# mysql -u root --password='re:St@rt!9'
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 13
Server version: 10.6.14-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
4 rows in set (0.002 sec)

MariaDB [(none)]>
```

Mevcut veritabanını belirlemek ve doğru veritabanı instance'ıyla çalıştığımızdan emin olmak için SHOW DATABASES; komutunu kullandık

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Sessio

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
sh-4.2$ sudo su
[root@ip-10-1-11-173 bin]# cd /home/ec2-user/
[root@ip-10-1-11-173 ec2-user]# mysql -u root --password='re:St@rt!9'
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 13
Server version: 10.6.14-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
4 rows in set (0.002 sec)

MariaDB [(none)]> CREATE DATABASE world;
Query OK, 1 row affected (0.000 sec)

MariaDB [(none)]>
```

CREATE DATABASE world; komutunu yaz ve ardından ENTER'a bas

27°C Çok bulutlu

Ara

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us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
4 rows in set (0.002 sec)

MariaDB [(none)]> CREATE DATABASE world;
Query OK, 1 row affected (0.000 sec)

MariaDB [(none)]> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
| world              |
+--------------------+
5 rows in set (0.000 sec)

MariaDB [(none)]>
```

SHOW DATABASES; komutunu yaz ve ardından ENTER'a bas

Az önce CREATE DATABASE world; komutu ile oluşturduğumuz 'world' isimli database'i SHOW DATABASES; komutu sonrası görebiliyoruz.

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us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
MariaDB [(none)]> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
| world              |
+--------------------+
5 rows in set (0.000 sec)
```

Aşağıda yer alan komutu çalıştırarak world isimli database içinde country isimli ve komutta belirtilen özelliklere sahip bir tabloyu oluşturmuş oluyoruz

```
MariaDB [(none)]> CREATE TABLE world.country (
    ->   `Code` CHAR(3) NOT NULL DEFAULT '',
    ->   `Name` CHAR(52) NOT NULL DEFAULT '',
    ->   `Conitinent` enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') NOT NULL DEFAULT 'Asia',
    ->   `Region` CHAR(26) NOT NULL DEFAULT '',
    ->   `SurfaceArea` FLOAT(10,2) NOT NULL DEFAULT '0.00',
    ->   `IndepYear` SMALLINT(6) DEFAULT NULL,
    ->   `Population` INT(11) NOT NULL DEFAULT '0',
    ->   `LifeExpectancy` FLOAT(3,1) DEFAULT NULL,
    ->   `GNP` FLOAT(10,2) DEFAULT NULL,
    ->   `GNPOld` FLOAT(10,2) DEFAULT NULL,
    ->   `LocalName` CHAR(45) NOT NULL DEFAULT '',
    ->   `GovernmentForm` CHAR(45) NOT NULL DEFAULT '',
    ->   `HeadOfState` CHAR(60) DEFAULT NULL,
    ->   `Capital` INT(11) DEFAULT NULL,
    ->   `Code2` CHAR(2) NOT NULL DEFAULT '',
    ->   PRIMARY KEY (`Code`)
    -> );
```

27°C Çok bulutlu
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TUR 15:03 27.07.2023

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us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
| world              |
+--------------------+
5 rows in set (0.000 sec)

MariaDB [(none)]> CREATE TABLE world.country (
    ->   `Code` CHAR(3) NOT NULL DEFAULT '',
    ->   `Name` CHAR(52) NOT NULL DEFAULT '',
    ->   `Conitinent` enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') NOT NULL DEFAULT 'Asia',
    ->   `Region` CHAR(26) NOT NULL DEFAULT '',
    ->   `SurfaceArea` FLOAT(10,2) NOT NULL DEFAULT '0.00',
    ->   `IndepYear` SMALLINT(6) DEFAULT NULL,
    ->   `Population` INT(11) NOT NULL DEFAULT '0',
    ->   `LifeExpectancy` FLOAT(3,1) DEFAULT NULL,
    ->   `GNP` FLOAT(10,2) DEFAULT NULL,
    ->   `GNPOld` FLOAT(10,2) DEFAULT NULL,
    ->   `LocalName` CHAR(45) NOT NULL DEFAULT '',
    ->   `GovernmentForm` CHAR(45) NOT NULL DEFAULT '',
    ->   `HeadOfState` CHAR(60) DEFAULT NULL,
    ->   `Capital` INT(11) DEFAULT NULL,
    ->   `Code2` CHAR(2) NOT NULL DEFAULT '',
    ->   PRIMARY KEY (`Code`)
    -> );
Query OK, 0 rows affected (0.008 sec)

MariaDB [(none)]>
```

world isimli database içinde country isimli oluşturduk

27°C Çok bulutlu

Ara

TUR 15:04 27.07.2023

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
| sys                |
| world              |
+--------------------+
5 rows in set (0.000 sec)

MariaDB [(none)]> CREATE TABLE world.country (
    ->   `Code` CHAR(3) NOT NULL DEFAULT '',
    ->   `Name` CHAR(52) NOT NULL DEFAULT '',
    ->   `Conitinent` enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') NOT NULL DEFAULT 'Asia',
    ->   `Region` CHAR(26) NOT NULL DEFAULT '',
    ->   `SurfaceArea` FLOAT(10,2) NOT NULL DEFAULT '0.00',
    ->   `IndepYear` SMALLINT(6) DEFAULT NULL,
    ->   `Population` INT(11) NOT NULL DEFAULT '0',
    ->   `LifeExpectancy` FLOAT(3,1) DEFAULT NULL,
    ->   `GNP` FLOAT(10,2) DEFAULT NULL,
    ->   `GNPOld` FLOAT(10,2) DEFAULT NULL,
    ->   `LocalName` CHAR(45) NOT NULL DEFAULT '',
    ->   `GovernmentForm` CHAR(45) NOT NULL DEFAULT '',
    ->   `HeadOfState` CHAR(60) DEFAULT NULL,
    ->   `Capital` INT(11) DEFAULT NULL,
    ->   `Code2` CHAR(2) NOT NULL DEFAULT '',
    ->   PRIMARY KEY (`Code`)
    -> );
Query OK, 0 rows affected (0.008 sec)

MariaDB [(none)]> USE world;
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
MariaDB [world]>
```

USE world; komutunu yaz ve ardından **ENTER**'a bas. Bu komut, artık tüm sorguların **world** isimli veritabanı üzerinde çalıştırılacağını belirtir.

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Session
us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
| sys                |
| world              |
+--------------------+
5 rows in set (0.000 sec)

MariaDB [(none)]> CREATE TABLE world.country (
    ->   `Code` CHAR(3) NOT NULL DEFAULT '',
    ->   `Name` CHAR(52) NOT NULL DEFAULT '',
    ->   `Conitinent` enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') NOT NULL DEFAULT 'Asia',
    ->   `Region` CHAR(26) NOT NULL DEFAULT '',
    ->   `SurfaceArea` FLOAT(10,2) NOT NULL DEFAULT '0.00',
    ->   `IndepYear` SMALLINT(6) DEFAULT NULL,
    ->   `Population` INT(11) NOT NULL DEFAULT '0',
    ->   `LifeExpectancy` FLOAT(3,1) DEFAULT NULL,
    ->   `GNP` FLOAT(10,2) DEFAULT NULL,
    ->   `GNPOld` FLOAT(10,2) DEFAULT NULL,
    ->   `LocalName` CHAR(45) NOT NULL DEFAULT '',
    ->   `GovernmentForm` CHAR(45) NOT NULL DEFAULT '',
    ->   `HeadOfState` CHAR(60) DEFAULT NULL,
    ->   `Capital` INT(11) DEFAULT NULL,
    ->   `Code2` CHAR(2) NOT NULL DEFAULT '',
    ->   PRIMARY KEY (`Code`)
    -> );
Query OK, 0 rows affected (0.008 sec)

MariaDB [(none)]> USE world;
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
MariaDB [world]> SHOW TABLES;
```

SHOW TABLES; komutunu yaz ve ardından ENTER'a bas

27°C Çok bulutlu
Ara
TUR 15:07 27.07.2023

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
    ->   `Conitinent` enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') NOT NULL DEFAULT 'Asia',
    ->   `Region` CHAR(26) NOT NULL DEFAULT '',
    ->   `SurfaceArea` FLOAT(10,2) NOT NULL DEFAULT '0.00',
    ->   `IndepYear` SMALLINT(6) DEFAULT NULL,
    ->   `Population` INT(11) NOT NULL DEFAULT '0',
    ->   `LifeExpectancy` FLOAT(3,1) DEFAULT NULL,
    ->   `GNP` FLOAT(10,2) DEFAULT NULL,
    ->   `GNPOld` FLOAT(10,2) DEFAULT NULL,
    ->   `LocalName` CHAR(45) NOT NULL DEFAULT '',
    ->   `GovernmentForm` CHAR(45) NOT NULL DEFAULT '',
    ->   `HeadOfState` CHAR(60) DEFAULT NULL,
    ->   `Capital` INT(11) DEFAULT NULL,
    ->   `Code2` CHAR(2) NOT NULL DEFAULT '',
    ->   PRIMARY KEY (`Code`)
    -> );
Query OK, 0 rows affected (0.008 sec)

MariaDB [(none)]> USE world;
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
MariaDB [world]> SHOW TABLES;
+-----------------+
| Tables_in_world |
+-----------------+
| country         |
+-----------------+
1 row in set (0.000 sec)

MariaDB [world]>
```

SHOW TABLES; komutu, çalışılan veritabanındaki tüm tabloların listesini almak için kullanılan bir SQL komutudur.

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Session

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
    ->   `Conitinent` enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') NOT NULL DEFAULT 'Asia',
    ->   `Region` CHAR(26) NOT NULL DEFAULT '',
    ->   `SurfaceArea` FLOAT(10,2) NOT NULL DEFAULT '0.00',
    ->   `IndepYear` SMALLINT(6) DEFAULT NULL,
    ->   `Population` INT(11) NOT NULL DEFAULT '0',
    ->   `LifeExpectancy` FLOAT(3,1) DEFAULT NULL,
    ->   `GNP` FLOAT(10,2) DEFAULT NULL,
    ->   `GNPOld` FLOAT(10,2) DEFAULT NULL,
    ->   `LocalName` CHAR(45) NOT NULL DEFAULT '',
    ->   `GovernmentForm` CHAR(45) NOT NULL DEFAULT '',
    ->   `HeadOfState` CHAR(60) DEFAULT NULL,
    ->   `Capital` INT(11) DEFAULT NULL,
    ->   `Code2` CHAR(2) NOT NULL DEFAULT '',
    ->   PRIMARY KEY (`Code`)
    -> );
Query OK, 0 rows affected (0.008 sec)

MariaDB [(none)]> USE world;
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
MariaDB [world]> SHOW TABLES;
+-----------------+
| Tables_in_world |
+-----------------+
| country         |
+-----------------+
1 row in set (0.000 sec)

MariaDB [world]> SHOW COLUMNS FROM world.country;
```

SHOW COLUMNS FROM world.country; komutunu yaz ve ardından ENTER'a bas

27°C Çok bulutlu

Ara

TUR 15:09 27.07.2023

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Sessio

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
MariaDB [world]> SHOW TABLES;
+-----------------+
| Tables_in_world |
+-----------------+
| country         |
+-----------------+
1 row in set (0.000 sec)
```

SHOW COLUMNS FROM world.country; komutu world veritabanındaki country tablosunun sütunlarının detaylarını almak için kullanılan bir SQL komutudur. Bu komut, belirtilen tablonun sütunlarını ve bu sütunlarla ilgili bazı bilgileri döndürür. (Aşağıda görüldüğü gibi)

```
MariaDB [world]> SHOW COLUMNS FROM world.country;
+----------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
| Field          | Type                                                                            | Null | Key | Default | Extra |
+----------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
| Code           | char(3)                                                                         | NO   | PRI |         |       |
| Name           | char(52)                                                                        | NO   |     |         |       |
| Conitinent     | enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') | NO   |     | Asia    |       |
| Region         | char(26)                                                                        | NO   |     |         |       |
| SurfaceArea    | float(10,2)                                                                     | NO   |     | 0.00    |       |
| IndepYear      | smallint(6)                                                                     | YES  |     | NULL    |       |
| Population     | int(11)                                                                         | NO   |     | 0       |       |
| LifeExpectancy | float(3,1)                                                                      | YES  |     | NULL    |       |
| GNP            | float(10,2)                                                                     | YES  |     | NULL    |       |
| GNPOld         | float(10,2)                                                                     | YES  |     | NULL    |       |
| LocalName      | char(45)                                                                        | NO   |     |         |       |
| GovernmentForm | char(45)                                                                        | NO   |     |         |       |
| HeadOfState    | char(60)                                                                        | YES  |     | NULL    |       |
| Capital        | int(11)                                                                         | YES  |     | NULL    |       |
| Code2          | char(2)                                                                         | NO   |     |         |       |
+----------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]>
```

27°C Çok bulutlu

Ara

TUR 15:10 27.07.2023

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Session

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
MariaDB [world]> SHOW TABLES;
+-----------------+
| Tables_in_world |
+-----------------+
| country         |
+-----------------+
1 row in set (0.000 sec)

MariaDB [world]> SHOW COLUMNS FROM world.country;
+---------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
| Field         | Type                                                                            | Null | Key | Default | Extra |
+---------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
| Code          | char(3)                                                                         | NO   | PRI |         |       |
| Name          | char(52)                                                                        | NO   |     |         |       |
| Conitinent    | enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') | NO   |     | Asia    |       |
| Region        | char(26)                                                                        | NO   |     |         |       |
| SurfaceArea   | float(10,2)                                                                     | NO   |     | 0.00    |       |
| IndepYear     | smallint(6)                                                                     | YES  |     | NULL    |       |
| Population    | int(11)                                                                         | NO   |     | 0       |       |
| LifeExpectancy| float(3,1)                                                                      | YES  |     | NULL    |       |
| GNP           | float(10,2)                                                                     | YES  |     | NULL    |       |
| GNPOld        | float(10,2)                                                                     | YES  |     | NULL    |       |
| LocalName     | char(45)                                                                        |      |     |         |       |
| GovernmentForm| char(45)                                                                        |      |     |         |       |
| HeadOfState   | char(60)                                                                        |      |     | NULL    |       |
| Capital       | int(11)                                                                         |      |     | NULL    |       |
| Code2         | char(2)                                                                         | NO   |     |         |       |
+---------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> ALTER TABLE world.country RENAME COLUMN Conitinent TO Continent;
```

ALTER TABLE world.country RENAME COLUMN Conitinent TO Continent;
komutunu yaz ve ardından ENTER'a bas.

27°C Çok bulutlu

Ara

TUR 15:10 27.07.2023

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
| country         |
+-----------------+
1 row in set (0.000 sec)

MariaDB [world]> SHOW COLUMNS FROM world.country;
+---------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
| Field         | Type                                                                            | Null | Key | Default | Extra |
+---------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
| Code          | char(3)                                                                         | NO   | PRI |         |       |
| Name          | char(52)                                                                        | NO   |     |         |       |
| Conitinent    | enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') | NO   |     | Asia    |       |
| Region        | char(26)                                                                        | NO   |     |         |       |
| SurfaceArea   | float(10,2)                                                                     | NO   |     | 0.00    |       |
| IndepYear     | smallint(6)                                                                     | YES  |     | NULL    |       |
| Population    | int(11)                                                                         | NO   |     | 0       |       |
| LifeExpectancy| float(3,1)                                                                      | YES  |     | NULL    |       |
| GNP           | float(10,2)                                                                     | YES  |     | NULL    |       |
| GNPOld        | float(10,2)                                                                     | YES  |     | NULL    |       |
| LocalName     | char(45)                                                                        | NO   |     |         |       |
| GovernmentForm| char(45)                                                                        | NO   |     |         |       |
| HeadOfState   | char(60)                                                                        | YES  |     | NULL    |       |
| Capital       | int(11)                                                                         | YES  |     | NULL    |       |
| Code2         | char(2)                                                                         | NO   |     |         |       |
+---------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> ALTER TABLE world.country RENAME COLUMN Conitinent TO Continent;
Query OK, 0 rows affected (0.009 sec)
Records: 0  Duplicates: 0  Warnings: 0

MariaDB [world]>
```

Komutu icra ettik, haydi bir sonraki sayfada komut sonrası tablomuzda ne gibi bir değişiklik meydana geldiğini görelim.

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
| country          |
+------------------+
1 row in set (0.000 sec)

MariaDB [world]> SHOW COLUMNS FROM world.country;
+----------------+-----------------------------------------------------------------------------------+------+-----+---------+-------+
| Field          | Type                                                                              | Null | Key | Default | Extra |
+----------------+-----------------------------------------------------------------------------------+------+-----+---------+-------+
| Code           | char(3)                                                                           | NO   | PRI |         |       |
| Name           | char(52)                                                                          | NO   |     |         |       |
| Conitinent     | enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') | NO   |     | Asia    |       |
| Region         | char(26)                                                                          | NO   |     |         |       |
| SurfaceArea    | float(10,2)                                                                       | NO   |     | 0.00    |       |
| IndepYear      | smallint(6)                                                                       | YES  |     | NULL    |       |
| Population     | int(11)                                                                           | NO   |     | 0       |       |
| LifeExpectancy | float(3,1)                                                                        | YES  |     | NULL    |       |
| GNP            | float(10,2)                                                                       | YES  |     | NULL    |       |
| GNPOld         | float(10,2)                                                                       | YES  |     | NULL    |       |
| LocalName      | char(45)                                                                          | NO   |     |         |       |
| GovernmentForm | char(45)                                                                          | NO   |     |         |       |
| HeadOfState    | char(60)                                                                          | YES  |     | NULL    |       |
| Capital        | int(11)                                                                           | YES  |     | NULL    |       |
| Code2          | char(2)                                                                           | NO   |     |         |       |
+----------------+-----------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> ALTER TABLE world.country RENAME COLUMN Conitinent TO Continent;
Query OK, 0 rows affected (0.009 sec)
Records: 0  Duplicates: 0  Warnings: 0

MariaDB [world]> SHOW COLUMNS FROM world.country;
```

Bir sonraki slaytta bu kısma dikkat et!

SHOW COLUMNS FROM world.country; komutunu yaz ve ardından ENTER'a bas

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
| Code2           | char(2)                                                                                    | NO   |     |         |       |
+-----------------+--------------------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> ALTER TABLE world.country RENAME COLUMN Conitinent TO Continent;
Query OK, 0 rows affected (0.009 sec)
Records: 0  Duplicates: 0  Warnings: 0

MariaDB [world]> SHOW COLUMNS FROM world.country;
```

Field	Type	Null	Key	Default	Extra
Code	char(3)	NO	PRI		
Name	char(52)	NO			
Continent	enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South America')	NO		Asia	
Region	char(26)	NO			
SurfaceArea	float(10,2)	NO		0.00	
IndepYear	smallint(6)	YES		NULL	
Population	int(11)	NO		0	
LifeExpectancy	float(3,1)	YES		NULL	
GNP	float(10,2)	YES		NULL	
GNPOld	float(10,2)	YES		NULL	
LocalName	char(45)	NO			
GovernmentForm	char(45)	NO			
HeadOfState	char(60)	YES		NULL	
Capital	int(11)	YES		NULL	
Code2	char(2)	NO			

```
15 rows in set (0.001 sec)

MariaDB [world]>
```

1 Bir önceki slaytta ‘Conitinent’ yazan bu kısmı **ALTER TABLE world.country RENAME COLUMN Conitinent TO Continent;** komutu ile ‘Continent’ olarak değiştirdik / düzelttik.

2 **SHOW COLUMNS FROM world.country;** komutu ile (1) nolu maddede söz edilen değişikliği görüntülemiş olduk.

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
| Code2          | char(2)                                                                               | NO   |     |         |       |
+----------------+---------------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> ALTER TABLE world.country RENAME COLUMN Conitinent TO Continent;
Query OK, 0 rows affected (0.009 sec)
Records: 0  Duplicates: 0  Warnings: 0

MariaDB [world]> SHOW COLUMNS FROM world.country;
+----------------+---------------------------------------------------------------------------------------+------+-----+---------+-------+
| Field          | Type                                                                                  | Null | Key | Default | Extra |
+----------------+---------------------------------------------------------------------------------------+------+-----+---------+-------+
| Code           | char(3)                                                                               | NO   | PRI |         |       |
| Name           | char(52)                                                                              | NO   |     |         |       |
| Continent      | enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') | NO   |     | Asia    |       |
| Region         | char(26)                                                                              | NO   |     |         |       |
| SurfaceArea    | float(10,2)                                                                           | NO   |     | 0.00    |       |
| IndepYear      | smallint(6)                                                                           | YES  |     | NULL    |       |
| Population     | int(11)                                                                               | NO   |     | 0       |       |
| LifeExpectancy | float(3,1)                                                                            | YES  |     | NULL    |       |
| GNP            | float(10,2)                                                                           | YES  |     | NULL    |       |
| GNPOld         | float(10,2)                                                                           | YES  |     | NULL    |       |
| LocalName      | char(45                                                                                      |     |         |       |
| GovernmentForm | char(45                                                                                      |     |         |       |
| HeadOfState    | char(60                                                                                      |     | NULL    |       |
| Capital        | int(11)                                                                                      |     | NULL    |       |
| Code2          | char(2)                                                                               | NO   |     |         |       |
+----------------+---------------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26));
```

CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26)); komutunu yaz ve ardından **ENTER**'a bas.

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
MariaDB [world]> ALTER TABLE world.country RENAME COLUMN Conitinent TO Continent;
Query OK, 0 rows affected (0.009 sec)
Records: 0  Duplicates: 0  Warnings: 0

MariaDB [world]> SHOW COLUMNS FROM world.country;
+----------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
| Field          | Type                                                                            | Null | Key | Default | Extra |
+----------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
| Code           | char(3)                                                                         | NO   | PRI |         |       |
| Name           | char(52)                                                                        | NO   |     |         |       |
| Continent      | enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') | NO   |     | Asia    |       |
| Region         | char(26)                                                                        | NO   |     |         |       |
| SurfaceArea    | float(10,2)                                                                     | NO   |     | 0.00    |       |
| IndepYear      | smallint(6)                                                                     | YES  |     | NULL    |       |
| Population     | int(11)                                                                         | NO   |     | 0       |       |
| LifeExpectancy | float(3,1)                                                                      | YES  |     | NULL    |       |
| GNP            | float(10,2)                                                                     | YES  |     | NULL    |       |
| GNPOld         | float(10,2)                                                                     | YES  |     | NULL    |       |
| LocalName      | char(45)                                                                        | NO   |     |         |       |
| GovernmentForm | char(45)                                                                        | NO   |     |         |       |
| HeadOfState    | char(60)                                                                        | YES  |     | NULL    |       |
| Capital        | int(11)                                                                         | YES  |     | NULL    |       |
| Code2          | char(2)                                                                         | NO   |     |         |       |
+----------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26));
Query OK, 0 rows affected (0.009 sec)

MariaDB [world]>
```

Komutu icra ettik, haydi bir sonraki sayfada komut sonrası ne gibi bir değişiklik meydana geldiğini görelim.

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-052af6ffcdcf80462

Instance ID: i-0e87a0ad3107ee11b

Terminate

```
| LifeExpectancy | float(3,1)                                                                          | YES  |     | NULL    |       |
| GNP            | float(10,2)                                                                         | YES  |     | NULL    |       |
| GNPOld         | float(10,2)                                                                         | YES  |     | NULL    |       |
| LocalName      | char(45)                                                                            | NO   |     |         |       |
| GovernmentForm | char(45)                                                                            | NO   |     |         |       |
| HeadOfState    | char(60)                                                                            | YES  |     | NULL    |       |
| Capital        | int(11)                                                                             | YES  |     | NULL    |       |
| Code2          | char(2)                                                                             | NO   |     |         |       |
+----------------+-------------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> SHOW COLUMNS FROM world.country;
+----------------+-------------------------------------------------------------------------------------+------+-----+---------+-------+
| Field          | Type                                                                                | Null | Key | Default | Extra |
+----------------+-------------------------------------------------------------------------------------+------+-----+---------+-------+
| Code           | char(3)                                                                             | NO   | PRI |         |       |
| Name           | char(52)                                                                            | NO   |     |         |       |
| Continent      | enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') | NO   |     | Asia    |       |
| Region         | char(26)                                                                            | NO   |     |         |       |
| SurfaceArea    | float(10,2)                                                                         | NO   |     | 0.00    |       |
| IndepYear      | smallint(6)                                                                         | YES  |     | NULL    |       |
| Population     | int(11)                                                                             | NO   |     | 0       |       |
| LifeExpectancy | float(3,1)                                                                          | YES  |     | NULL    |       |
| GNP            | float(10,2)                                                                         | YES  |     | NULL    |       |
| GNPOld         | float(10,2)                                                                         | YES  |     | NULL    |       |
| LocalName      | char(45)                                                                            | NO   |     |         |       |
| GovernmentForm | char(45)                                                                            | NO   |     |         |       |
| HeadOfState    | char(60)                                                                            | YES  |     | NULL    |       |
| Capital        | int(11)                                                                             | YES  |     | NULL    |       |
| Code2          | char(2)                                                                             | NO   |     |         |       |
+----------------+-------------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26));
Query OK, 0 rows affected (0.006 sec)

MariaDB [world]> SHOW COLUMNS FROM world.city;
```

SHOW COLUMNS FROM world.city; komutunu yaz ve ardından ENTER'a bas

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-052af6ffcdcf80462

Instance ID: i-0e87a0ad3107ee11b

Terminate

```
15 rows in set (0.001 sec)

MariaDB [world]> SHOW COLUMNS FROM world.country;
+----------------+---------------------------------------------------------------------------------------+------+-----+---------+-------+
| Field          | Type                                                                                  | Null | Key | Default | Extra |
+----------------+---------------------------------------------------------------------------------------+------+-----+---------+-------+
| Code           | char(3)                                                                               | NO   | PRI |         |       |
| Name           | char(52)                                                                              | NO   |     |         |       |
| Continent      | enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') | NO   |     | Asia    |       |
| Region         | char(26)                                                                              | NO   |     |         |       |
| SurfaceArea    | float(10,2)                                                                           | NO   |     | 0.00    |       |
| IndepYear      | smallint(6)                                                                           | YES  |     | NULL    |       |
| Population     | int(11)                                                                               | NO   |     | 0       |       |
| LifeExpectancy | float(3,1)                                                                            | YES  |     | NULL    |       |
| GNP            | float(10,2)                                                                           | YES  |     | NULL    |       |
| GNPOld         | float(10,2)                                                                           | YES  |     | NULL    |       |
| LocalName      | char(45)                                                                              | NO   |     |         |       |
| GovernmentForm | char(45)                                                                              | NO   |     |         |       |
| HeadOfState    | char(60)                                                                              | YES  |     | NULL    |       |
| Capital        | int(11)                                                                               | YES  |     | NULL    |       |
| Code2          | char(2)                                                                               | NO   |     |         |       |
+----------------+---------------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26));
Query OK, 0 rows affected (0.006 sec)

MariaDB [world]> SHOW COLUMNS FROM world.city;
+--------+----------+------+-----+---------+-------+
| Field  | Type     | Null | Key | Default | Extra |
+--------+----------+------+-----+---------+-------+
| Name   | char(52) | YES  |     | NULL    |       |
| Region | char(26) | YES  |     | NULL    |       |
+--------+----------+------+-----+---------+-------+
2 rows in set (0.001 sec)

MariaDB [world]>
```

CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26)); komutunu biraz önce icra etmiştik. Bu komut, bir veritabanında "world" adındaki bir database içinde "city" adında bir tablo oluşturur. Tablonun iki sütunu vardır: "Name" ve "Region".
"Name" sütunu, en fazla 52 karakter uzunluğunda karakter dizileri (CHAR) içerebilir.
"Region" sütunu, en fazla 26 karakter uzunluğunda karakter dizileri (CHAR) içerebilir.
Bu komut, örneğin bir ülke veya şehir veritabanında şehirlerin adlarını ve bölgelerini saklamak için kullanılabilir. Tablonun yapısı, veritabanı tasarımı ve kullanım senaryolarına bağlı olarak değişebilir.
SHOW COLUMNS FROM world.city; komutu ile bu çıktıyı incelemiş olduk.

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Session

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
MariaDB [world]> ALTER TABLE world.country RENAME COLUMN Conitinent TO Continent;
Query OK, 0 rows affected (0.009 sec)
Records: 0  Duplicates: 0  Warnings: 0

MariaDB [world]> SHOW COLUMNS FROM world.country;
+----------------+-----------------------------------------------------------------------------+------+-----+---------+-------+
| Field          | Type                                                                        | Null | Key | Default | Extra |
+----------------+-----------------------------------------------------------------------------+------+-----+---------+-------+
| Code           | char(3)                                                                     | NO   | PRI |         |       |
| Name           | char(52)                                                                    | NO   |     |         |       |
| Continent      | enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') | NO   |     | Asia    |       |
| Region         | char(26)                                                                    | NO   |     |         |       |
| SurfaceArea    | float(10,2)                                                                 | NO   |     | 0.00    |       |
| IndepYear      | smallint(6)                                                                 | YES  |     | NULL    |       |
| Population     | int(11)                                                                     | NO   |     | 0       |       |
| LifeExpectancy | float(3,1)                                                                  | YES  |     | NULL    |       |
| GNP            | float(10,2)                                                                 | YES  |     | NULL    |       |
| GNPOld         | float(10,2)                                                                 | YES  |     | NULL    |       |
| LocalName      | char(45)                                                                    | NO   |     |         |       |
| GovernmentForm | char(45)                                                                    | NO   |     |         |       |
| HeadOfState    | char(60)                                                                    | YES  |     | NULL    |       |
| Capital        | int(11)                                                                     | YES  |     | NULL    |       |
| Code2          | char(2)                                                                     | NO   |     |         |       |
+----------------+-----------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26));
Query OK, 0 rows affected (0.009 sec)

MariaDB [world]> DROP TABLE world.city;
```

DROP TABLE world.city; komutunu yaz ve ardından ENTER'a bas

27°C Çok bulutlu

Ara

TUR 15:21 27.07.2023

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Sessior

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
Records: 0  Duplicates: 0  Warnings: 0

MariaDB [world]> SHOW COLUMNS FROM world.country;
+----------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
| Field          | Type                                                                            | Null | Key | Default | Extra |
+----------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
| Code           | char(3)                                                                         | NO   | PRI |         |       |
| Name           | char(52)                                                                        | NO   |     |         |       |
| Continent      | enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') | NO   |     | Asia    |       |
| Region         | char(26)                                                                        | NO   |     |         |       |
| SurfaceArea    | float(10,2)                                                                     | NO   |     | 0.00    |       |
| IndepYear      | smallint(6)                                                                     | YES  |     | NULL    |       |
| Population     | int(11)                                                                         | NO   |     | 0       |       |
| LifeExpectancy | float(3,1)                                                                      | YES  |     | NULL    |       |
| GNP            | float(10,2)                                                                     | YES  |     | NULL    |       |
| GNPOld         | float(10,2)                                                                     | YES  |     | NULL    |       |
| LocalName      | char(45)                                                                        | NO   |     |         |       |
| GovernmentForm | char(45)                                                                        | NO   |     |         |       |
| HeadOfState    | char(60)                                                                        | YES  |     | NULL    |       |
| Capital        | int(11)                                                                         | YES  |     | NULL    |       |
| Code2          | char(2)                                                                         | NO   |     |         |       |
+----------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26));
Query OK, 0 rows affected (0.009 sec)

MariaDB [world]> DROP TABLE world.city;
Query OK, 0 rows affected (0.005 sec)

MariaDB [world]>
```

Komutu icra ettik, "DROP TABLE world.city;" komutu "world" veritabanındaki "city" tablosunu silmeye yarar.

27°C Çok bulutlu

Ara

TUR 15:22 27.07.2023

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Sessio

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
Records: 0  Duplicates: 0  Warnings: 0

MariaDB [world]> SHOW COLUMNS FROM world.country;
+----------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
| Field          | Type                                                                            | Null | Key | Default | Extra |
+----------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
| Code           | char(3)                                                                         | NO   | PRI |         |       |
| Name           | char(52)                                                                        | NO   |     |         |       |
| Continent      | enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') | NO   |     | Asia    |       |
| Region         | char(26)                                                                        | NO   |     |         |       |
| SurfaceArea    | float(10,2)                                                                     | NO   |     | 0.00    |       |
| IndepYear      | smallint(6)                                                                     | YES  |     | NULL    |       |
| Population     | int(11)                                                                         | NO   |     | 0       |       |
| LifeExpectancy | float(3,1)                                                                      | YES  |     | NULL    |       |
| GNP            | float(10,2)                                                                     | YES  |     | NULL    |       |
| GNPOld         | float(10,2)                                                                     | YES  |     | NULL    |       |
| LocalName      | char(45)                                                                        | NO   |     |         |       |
| GovernmentForm | char(45)                                                                        | NO   |     |         |       |
| HeadOfState    | char(60)                                                                        | YES  |     | NULL    |       |
| Capital        | int(11)                                                                         | YES  |     | NULL    |       |
| Code2          | char(2)                                                                         | NO   |     |         |       |
+----------------+---------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26));
Query OK, 0 rows affected (0.009 sec)

MariaDB [world]> DROP TABLE world.city;
Query OK, 0 rows affected (0.005 sec)

MariaDB [world]> SHOW TABLES;
```

SHOW TABLES; komutunu yaz ve ardından ENTER'a bas

27°C Çok bulutlu

Ara

TUR 15:22 27.07.2023

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Session
us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
| Continent      | enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') | NO   |     | Asia    |       |
| Region         | char(26)                                                                               | NO   |     |         |       |
| SurfaceArea    | float(10,2)                                                                            | NO   |     | 0.00    |       |
| IndepYear      | smallint(6)                                                                            | YES  |     | NULL    |       |
| Population     | int(11)                                                                                | NO   |     | 0       |       |
| LifeExpectancy | float(3,1)                                                                             | YES  |     | NULL    |       |
| GNP            | float(10,2)                                                                            | YES  |     | NULL    |       |
| GNPOld         | float(10,2)                                                                            | YES  |     | NULL    |       |
| LocalName      | char(45)                                                                               | NO   |     |         |       |
| GovernmentForm | char(45)                                                                               | NO   |     |         |       |
| HeadOfState    | char(60)                                                                               | YES  |     | NULL    |       |
| Capital        | int(11)                                                                                | YES  |     | NULL    |       |
| Code2          | char(2)                                                                                | NO   |     |         |       |
+----------------+----------------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26));
Query OK, 0 rows affected (0.009 sec)

MariaDB [world]> DROP TABLE world.city;
Query OK, 0 rows affected (0.005 sec)

MariaDB [world]> SHOW TABLES;
+-----------------+
| Tables_in_world |
+-----------------+
| country         |
+-----------------+
1 row in set (0.001 sec)

MariaDB [world]>
```

SHOW TABLES; komutu ile hali hazırda mevcut olan tek tablomuz olan **"country"** tablosunu görüyoruz.

27°C Çok bulutlu
Ara
TUR 15:23 27.07.2023

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
| Continent      | enum('Asia','Europe','North America','Africa','Oceania','Antarctica','South  America') | NO   |     | Asia    |       |
| Region         | char(26)                                                                               | NO   |     |         |       |
| SurfaceArea    | float(10,2)                                                                            | NO   |     | 0.00    |       |
| IndepYear      | smallint(6)                                                                            | YES  |     | NULL    |       |
| Population     | int(11)                                                                                | NO   |     | 0       |       |
| LifeExpectancy | float(3,1)                                                                             | YES  |     | NULL    |       |
| GNP            | float(10,2)                                                                            | YES  |     | NULL    |       |
| GNPOld         | float(10,2)                                                                            | YES  |     | NULL    |       |
| LocalName      | char(45)                                                                               | NO   |     |         |       |
| GovernmentForm | char(45)                                                                               | NO   |     |         |       |
| HeadOfState    | char(60)                                                                               | YES  |     | NULL    |       |
| Capital        | int(11)                                                                                | YES  |     | NULL    |       |
| Code2          | char(2)                                                                                | NO   |     |         |       |
+----------------+----------------------------------------------------------------------------------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26));
Query OK, 0 rows affected (0.009 sec)

MariaDB [world]> DROP TABLE world.city;
Query OK, 0 rows affected (0.005 sec)

MariaDB [world]> SHOW TABLES;
+----------------+
| Tables_in_world |
+----------------+
| country        |
+----------------+
1 row in set (0.001 sec)

MariaDB [world]> DROP DATABASE world;
```

DROP TABLE world; komutunu yaz ve ardından ENTER'a bas

Home | Course Modules: AWS re/Start | 268-[DF]-Lab - Database Table | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Session

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
| IndepYear      | smallint(6)   | YES  |     | NULL    |       |
| Population     | int(11)       | NO   |     | 0       |       |
| LifeExpectancy | float(3,1)    | YES  |     | NULL    |       |
| GNP            | float(10,2)   | YES  |     | NULL    |       |
| GNPOld         | float(10,2)   | YES  |     | NULL    |       |
| LocalName      | char(45)      | NO   |     |         |       |
| GovernmentForm | char(45)      | NO   |     |         |       |
| HeadOfState    | char(60)      | YES  |     | NULL    |       |
| Capital        | int(11)       | YES  |     | NULL    |       |
| Code2          | char(2)       | NO   |     |         |       |
+----------------+---------------+------+-----+---------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26));
Query OK, 0 rows affected (0.009 sec)

MariaDB [world]> DROP TABLE world.city;
Query OK, 0 rows affected (0.005 sec)

MariaDB [world]> SHOW TABLES;
+-----------------+
| Tables_in_world |
+-----------------+
| country         |
+-----------------+
1 row in set (0.001 sec)

MariaDB [world]> DROP DATABASE world;
Query OK, 1 row affected (0.009 sec)

MariaDB [(none)]>
```

Komutu icra ettik, haydi bir sonraki sayfada komut sonrası ne gibi bir değişiklik meydana geldiğini görelim.

27°C Çok bulutlu | Ara | TUR | 15:23 27.07.2023

Home | Course Modules: AWS re/Start F | 268-[DF]-Lab - Database Table C | Workbench | Vocareum Labs | Connect to instance | EC2 Mana | AWS Systems Manager - Session

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-09e76f8e60efd7bea?region=us-west-2#

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
| IndepYear      | smallint(6)                                                                     | YES |     | NULL |       |
| Population     | int(11)                                                                         | NO  |     | 0    |       |
| LifeExpectancy | float(3,1)                                                                      | YES |     | NULL |       |
| GNP            | float(10,2)                                                                     | YES |     | NULL |       |
| GNPOld         | float(10,2)                                                                     | YES |     | NULL |       |
| LocalName      | char(45)                                                                        | NO  |     |      |       |
| GovernmentForm | char(45)                                                                        | NO  |     |      |       |
| HeadOfState    | char(60)                                                                        | YES |     | NULL |       |
| Capital        | int(11)                                                                         | YES |     | NULL |       |
| Code2          | char(2)                                                                         | NO  |     |      |       |
+----------------+---------------------------------------------------------------------------------+-----+-----+------+-------+
15 rows in set (0.001 sec)

MariaDB [world]> CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26));
Query OK, 0 rows affected (0.009 sec)

MariaDB [world]> DROP TABLE world.city;
Query OK, 0 rows affected (0.005 sec)

MariaDB [world]> SHOW TABLES;
+-----------------+
| Tables_in_world |
+-----------------+
| country         |
+-----------------+
1 row in set (0.001 sec)

MariaDB [world]> DROP DATABASE world;
Query OK, 1 row affected (0.009 sec)

MariaDB [(none)]> SHOW DATABASES;
```

SHOW DATABASES; komutunu yaz ve ardından **ENTER**'a bas

27°C Çok bulutlu | Ara | TUR | 15:24 27.07.2023

Session ID: user2649775=_Student_View__Oguzhan_H__z__roglu-0062b53932ca1aa19

Instance ID: i-09e76f8e60efd7bea

Terminate

```
15 rows in set (0.001 sec)

MariaDB [world]> CREATE TABLE world.city (`Name` CHAR(52), `Region` CHAR(26));
Query OK, 0 rows affected (0.009 sec)

MariaDB [world]> DROP TABLE world.city;
Query OK, 0 rows affected (0.005 sec)

MariaDB [world]> SHOW TABLES;
+-----------------+
| Tables_in_world |
+-----------------+
| country         |
+-----------------+
1 row in set (0.001 sec)

MariaDB [world]> DROP DATABASE world;
Query OK, 1 row affected (0.009 sec)

MariaDB [(none)]> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
4 rows in set (0.000 sec)

MariaDB [(none)]>
```

SHOW DATABASES; komutu ile hali hazırda mevcut olan database'leri görüntülüyoruz. Bu ekranda gördüğünüz 4 veritabanı MySQL sunucusu tarafından varsayılan (default) olarak oluşturulan önemli veritabanlarıdır. Biz az önce **DROP TABLE world;** komutu ile kendi oluşturduğumuz **"world"** isimli database'i silmiş olduk.

Congratulations! You now have successfully:

- Used the **CREATE** statement to create databases and tables
- Used the **SHOW** statement to view available databases and tables
- Used the **ALTER** statement to alter the structure of a table
- Used the **DROP** statement to delete databases and tables

Lab complete

24. Choose ■ **End Lab** at the top of this page, and then select **Yes** to confirm that you want to end the lab.
25. An **Ended AWS Lab Successfully** message is briefly displayed indicating that the lab has ended.

Additional resources

- Country, city, and language data, Statistics Finland: The material was downloaded from Statistics Finland's interface service on February 4, 2022, with the license CC BY 4.0. The original data source is available from Statistics Finland.
- For more information about SQL table operation commands, see the following resources:
  - CREATE database
  - CREATE table
  - SHOW commands
  - ALTER table
  - DROP database
  - DROP table

For more information about AWS Training and Certification, see AWS Training and Certification.

Your feedback is welcome and appreciated.

Are you sure you want to end the lab?

Yes No

- Used the **CREATE** statement to create databases and tables
- Used the **SHOW** statement to view available databases and tables
- Used the **ALTER** statement to alter the structure of a table
- Used the **DROP** statement to delete databases and tables

Lab complete

24. Choose ■ **End Lab** at the top of this page, and then select **Yes** to confirm that you want to end the lab.
25. An **Ended AWS Lab Successfully** message is briefly displayed indicating that the lab has ended.

Additional resources

- Country, city, and language data, Statistics Finland: The material was downloaded from Statistics Finland's interface service on February 4, 2022, with the license CC BY 4.0. The original data source is available from Statistics Finland.
- For more information about SQL table operation commands, see the following resources:
  - CREATE database
  - CREATE table
  - SHOW commands
  - ALTER table
  - DROP database
  - DROP table

For more information about AWS Training and Certification, see AWS Training and Certification.

Your feedback is welcome and appreciated.

Congratulations! You now have successfully:

- Used the **CREATE** statement to create databases and tables
- Used the **SHOW** statement to view available databases and tables
- Used the **ALTER** statement to alter the structure of a table
- Used the **DROP** statement to delete databases and tables

Lab complete

24. Choose ■ **End Lab** at the top of this page, and then select **Yes** to confirm that you want to end the lab.
25. An **Ended AWS Lab Successfully** message is briefly displayed indicating that the lab has ended.

Additional resources

- Country, city, and language data, Statistics Finland: The material was downloaded from Statistics Finland's interface service on February 4, 2022, with the license CC BY 4.0. The original data source is available from Statistics Finland.
- For more information about SQL table operation commands, see the following resources:
  - CREATE database
  - CREATE table
  - SHOW commands
  - ALTER table
  - DROP database
  - DROP table

For more information about AWS Training and Certification, see AWS Training and Certification.

Your feedback is welcome and appreciated.

Congratulations! You now have successfully:

- Used the **CREATE** statement to create databases and tables
- Used the **SHOW** statement to view available databases and tables
- Used the **ALTER** statement to alter the structure of a table
- Used the **DROP** statement to delete databases and tables

Lab complete

24. Choose ■ **End Lab** at the top of this page, and then select **Yes** to confirm that you want to end the lab.
25. An **Ended AWS Lab Successfully** message is briefly displayed indicating that the lab has ended.

Additional resources

- Country, city, and language data, Statistics Finland: The material was downloaded from Statistics Finland's interface service on February 4, 2022, with the license CC BY 4.0. The original data source is available from Statistics Finland.
- For more information about SQL table operation commands, see the following resources:
  - CREATE database
  - CREATE table
  - SHOW commands
  - ALTER table
  - DROP database
  - DROP table

For more information about AWS Training and Certification, see AWS Training and Certification.

Your feedback is welcome and appreciated.

Ended AWS Lab Successfully

Bu çalışma Oğuzhan Selçuk Hızıroğlu tarafından AWS re/Start Cohort-2 öğrencileri için hazırlanmıştır.