

1. Create Database Standard create-MySQL.

[RDS](#) > [Create database](#)

Create database


Choose a database creation method [Info](#)


☒ **Standard create**
You set all of the configuration options, including ones for availability, security, backups, and maintenance.


☐ **Easy create**
Use recommended best-practice configurations. Some configuration options can be changed after the database is created.

Engine options

Engine type [Info](#)

☐ Amazon Aurora


☒ MySQL


☐ MariaDB


2. Choose Database instance name(identifier)-ProjectDB and set database password.

Settings

DB instance identifier [Info](#)
Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.

The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.

▼ Credentials Settings

Master username [Info](#)
Type a login ID for the master user of your DB instance.

1 to 16 alphanumeric characters. First character must be a letter

☐ **Auto generate a password**
Amazon RDS can generate a password for you, or you can specify your own password

Master password [Info](#)

Constraints: At least 8 printable ASCII characters. Can't contain any of the following: / (slash), ' (single quote), " (double quote) and @ (at sign).

Confirm password [Info](#)

3. Database storage- gp2(general provisioned ssd)

DB instance class

DB instance class [Info](#)

- ☐ Standard classes (includes m classes)
- ☐ Memory optimized classes (includes r and x classes)
- ☒ Burstable classes (includes t classes)

db.t2.micro
1 vCPUs 1 GiB RAM Not EBS Optimized

☐ Include previous generation classes

Storage

Storage type [Info](#)

General Purpose SSD (gp2)

Allocated storage

20

GiB

(Minimum: 20 GiB. Maximum: 16,384 GiB) Higher allocated storage **may improve** IOPS performance.

Storage autoscaling [Info](#)

Provides dynamic scaling support for your database's storage based on your application's needs.

- ☒ Enable storage autoscaling
Enabling this feature will allow the storage to increase once the specified threshold is exceeded.

Maximum storage threshold [Info](#)

Charges will apply when your database autoscales to the specified threshold

1000

GiB

Minimum: 21 GiB. Maximum: 16,384 GiB

Availability & durability

Multi-AZ deployment [Info](#)

- ☒ Create a standby instance (recommended for production usage)
Creates a standby in a different Availability Zone (AZ) to provide data redundancy, eliminate I/O freezes, and minimize latency spikes during system backups.
- ☐ Do not create a standby instance

Connectivity



Virtual private cloud (VPC) [Info](#)

VPC that defines the virtual networking environment for this DB instance.

Default VPC (vpc-0a9c39c2f73764b91)

Only VPCs with a corresponding DB subnet group are listed.

After a database is created, you can't change its VPC.

4. Select availability zone (EC2 must have same AZ as of database)

Subnet group [Info](#)
DB subnet group that defines which subnets and IP ranges the DB instance can use in the VPC you selected.

default-vpc-0a9c39c2f73764b91 ▼

Public access [Info](#)
☐ Yes
Amazon EC2 instances and devices outside the VPC can connect to your database. Choose one or more VPC security groups that specify which EC2 instances and devices inside the VPC can connect to the database.
☒ No
RDS will not assign a public IP address to the database. Only Amazon EC2 instances and devices inside the VPC can connect to your database.

VPC security group
Choose a VPC security group to allow access to your database. Ensure that the security group rules allow the appropriate incoming traffic.

☒ Choose existing
Choose existing VPC security groups

☐ Create new
Create new VPC security group

Existing VPC security groups

Choose VPC security groups ▼

default ✕

Availability Zone [Info](#)

us-east-1a ▼

► **Additional configuration**

5. Click on Create Database.

☐ Password and Kerberos authentication
Choose a directory in which you want to allow authorized users to authenticate with this DB instance using Kerberos Authentication.

► **Additional configuration**
Database options, backup enabled, backtrack disabled, Enhanced Monitoring disabled, maintenance, CloudWatch Logs, delete protection disabled

Estimated monthly costs

The Amazon RDS Free Tier is available to you for 12 months. Each calendar month, the free tier will allow you to use the Amazon RDS resources listed below for free:

- 750 hrs of Amazon RDS in a Single-AZ db.t2.micro Instance.
- 20 GB of General Purpose Storage (SSD).
- 20 GB for automated backup storage and any user-initiated DB Snapshots.

[Learn more about AWS Free Tier.](#) [↗](#)

When your free usage expires or if your application use exceeds the free usage tiers, you simply pay standard, pay-as-you-go service rates as described in the [Amazon RDS Pricing page.](#) [↗](#)

You are responsible for ensuring that you have all of the necessary rights for any third-party products or services that you use with AWS services.

Cancel

Create database

6. Database has been created.

The screenshot shows the AWS RDS Databases console. At the top, there are buttons for 'Group resources', 'Modify', 'Actions', 'Restore from S3', and 'Create database'. A search bar labeled 'Filter databases' is present. Below the search bar is a table with columns: DB identifier, Role, Engine, Region & AZ, Size, Status, CPU, and C. The table contains one entry: 'projectdb' with Role 'Instance', Engine 'MySQL Community', Region & AZ 'us-east-1a', Size 'db.t2.micro', Status 'Creating', and CPU '-'. The status 'Creating' is indicated by a circular arrow icon.

The screenshot shows the AWS RDS Databases console with the same interface as above. The table entry for 'projectdb' now has a Status of 'Available', indicated by a green checkmark icon. The CPU column now shows '3.6'.

7. Create Launch Template for Auto Scaling Group.

Create launch template

Creating a launch template allows you to create a saved instance configuration that can be reused, shared and launched at a later time. Templates can have multiple versions.

Launch template name and description

Launch template name - *required*

Must be unique to this account. Max 128 chars. No spaces or special characters like '&', '*', '@'.

Template version description

Max 255 chars

Auto Scaling guidance [Info](#)

Select this if you intend to use this template with EC2 Auto Scaling

☒ Provide guidance to help me set up a template that I can use with EC2 Auto Scaling

► Template tags

► Source template

8. Choose AMI(Linux) and instance type(t2.micro)

▼ Amazon machine image (AMI) - required [Info](#)

AMI - required

Amazon Linux 2 AMI (HVM), SSD Volume Type

ami-087c17d1fe0178315

Catalog: Quick Start virtualization: hvm architecture: 64-bit (x86)

▼ Instance type [Info](#)

Instance type

t2.micro

Family: t2 1 vCPU 1 GiB Memory

On-Demand Linux pricing: 0.0116 USD per Hour

On-Demand Windows pricing: 0.0162 USD per Hour

Free tier eligible

[Compare instance types](#)

▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name

Don't include in launch template



[Create new key pair](#)

▼ Network settings

Networking platform [Info](#)

☒ Virtual Private Cloud (VPC)

Launch into a virtual network in your own logically isolated area within the AWS Cloud

☐ EC2-Classic

Launch into a single flat network that you share with other customers.

Security groups

Select security groups

default sg-0dc0e07ae720ef3e5 ✕
VPC: vpc-0a9c39c2f73764b91

9. Add EBS storage volume.

▼ Storage (volumes) [Info](#)

▶ Volume 1 (AMI Root) (8 GiB, EBS, General purpose SSD (gp2))
AMI Volumes are not included in the template unless modified

▼ Volume 2 (Custom) [Remove](#)

Volume type [Info](#)

EBS

Device name - *required* [Info](#)

/dev/sdb ▼

Snapshot [Info](#)

Don't include in launch templ... ▼

Size (GiB) [Info](#)

10

Volume type [Info](#)

Don't include in launch temp... ▼

IOPS [Info](#)

2000

Delete on termination [Info](#)

Yes ▼

Encrypted [Info](#)

Don't include in launch temp... ▼

Key [Info](#)

Don't include in launch tem... ▼

❗ Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

×

Add new volume

10. Add Tags and click on Create launch Template.

▼ Resource tags [Info](#)

Key [Info](#)

Q Project

×

Value [Info](#)

Q DEV

×

Resource types [Info](#)

Select resource types

▼

×

Add tag

49 remaining (Up to 50 tags maximum)

▼ Network interfaces [Info](#)

No network interfaces are currently included in this template. Add a network interface to include it in the launch template.

Add network interface

▶ Advanced details [Info](#)

Cancel

Create launch template

11. Launch Template has been created.

Launch templates (1) Info			
<input type="text" value="Filter by tags or properties or search by keyword"/>			
<div><div></div>Actions<div></div>Create launch template</div>			
Launch template ID	Launch template name	Default version	Latest version
lt-09fbfca516d0eab82	ProjectTemplate	1	1

12. Create Auto Scaling Group. Choose name for ASG and select the launch template that has been created above and click on Next

EC2 > Auto Scaling groups > Create Auto Scaling group

Step 1
Choose launch template or configuration

Step 2
Configure settings

Step 3 (optional)
Configure advanced options

Step 4 (optional)
Configure group size and scaling policies

Step 5 (optional)
Add notifications

Step 6 (optional)
Add tags

Step 7
Review

Choose launch template or configuration [Info](#)

Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group. If you currently use launch configurations, you might consider migrating to launch templates.

Name

Auto Scaling group name
Enter a name to identify the group.

Must be unique to this account in the current Region and no more than 255 characters.

Launch template [Info](#)

[Switch to launch configuration](#)

Launch template
Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.

[Create a launch template](#)

Version

Default (1)

[Create a launch template version](#)

Step 6 (optional)
Add tags

Step 7
Review

Launch template
Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.

[Create a launch template](#)

Version

Default (1)

[Create a launch template version](#)

Description
Template for Project ASG

AMI ID
ami-087c17d1fe0178315

Key pair name
-

Launch template
[ProjectTemplate](#)
lt-09fbfca516d0eab82

Security groups
-

Security group IDs
[sg-0dc0e07ae720ef3e5](#)

Instance type
t2.micro

Request Spot Instances
No

Additional details

Storage (volumes)
/dev/sdb

Date created
Tue Oct 05 2021 21:22:36 GMT+0530 (India Standard Time)

Cancel

Next

13. Select AZ(should be same as used while creating DB)

Step 1
Choose launch template or configuration

Step 2
Configure settings

Step 3 (optional)
Configure advanced options

Step 4 (optional)
Configure group size and scaling policies

Step 5 (optional)
Add notifications

Step 6 (optional)
Add tags

Step 7
Review

Configure settings [Info](#)

Configure the settings below. Depending on whether you chose a launch template, these settings may include options to help you make optimal use of EC2 resources.

Instance purchase options [Info](#)

Use the launch template to create a uniform configuration among all of the instances in the group. Or define options to accommodate a wide variety of requirements, such as launching Spot and On-Demand Instances.

☒ **Adhere to launch template**
The launch template determines the purchase option (On-Demand or Spot) and instance type.

☐ **Combine purchase options and instance types**
Specify how much On-Demand and Spot capacity to launch and multiple instance types (optional). This choice is most helpful for optimizing the scale and cost for a fleet of instances.

Network [Info](#)

For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.

VPC

vpc-0a9c39c2f73764b91
172.31.0.0/16 Default

Create a VPC [↗](#)

Subnets

Select subnets

us-east-1a | subnet-0a4741537b32f6e66
172.31.32.0/20 Default

Create a subnet [↗](#)

Step 6 (optional)
Add tags

Step 7
Review

Network [Info](#)

For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.

VPC

vpc-0a9c39c2f73764b91
172.31.0.0/16 Default

Create a VPC [↗](#)

Subnets

Select subnets

us-east-1a | subnet-0a4741537b32f6e66
172.31.32.0/20 Default

Create a subnet [↗](#)

Cancel

Previous

Skip to review

Next

14. Attach ASG to Load Balancer and click on next.

EC2 > Auto Scaling groups > Create Auto Scaling group

Step 1
Choose launch template or configuration

Step 2
Configure settings

Step 3 (optional)
Configure advanced options

Step 4 (optional)
Configure group size and scaling policies

Step 5 (optional)
Add notifications

Step 6 (optional)
Add tags

Step 7
Review

Configure advanced options [Info](#)

Choose a load balancer to distribute incoming traffic for your application across instances to make it more reliable and easily scalable. You can also set options that give you more control over health check replacements and monitoring.

Load balancing - optional [Info](#)

Use the options below to attach your Auto Scaling group to an existing load balancer, or to a new load balancer that you define.

☐ No load balancer
Traffic to your Auto Scaling group will not be fronted by a load balancer.

☐ Attach to an existing load balancer
Choose from your existing load balancers.

☒ Attach to a new load balancer
Quickly create a basic load balancer to attach to your Auto Scaling group.

Attach to a new load balancer

Define a new load balancer to create for attachment to this Auto Scaling group.

Load balancer type

Choose from the load balancer types offered below. Type selection cannot be changed after the load balancer is created. If you need a different type of load balancer than those offered here, [visit the Load Balancing console](#). [↗](#)

☒ Application Load Balancer
HTTP, HTTPS

☐ Network Load Balancer
TCP, UDP, TLS

Listeners and routing

If you require secure listeners, or multiple listeners, you can configure them from the [Load Balancing console](#) [↗](#) after your load balancer is created.

Protocol
HTTP

Port
80

Default routing (forward to)
Create a target group

New target group name

An instance target group with default settings will be created.

ProjectASG-1

Tags - optional

Consider adding tags to your load balancer. Tags enable you to categorize your AWS resources so you can more easily manage them.

Add tag

50 remaining

Health checks - optional

Health check type [Info](#)

EC2 Auto Scaling automatically replaces instances that fail health checks. If you enabled load balancing, you can enable ELB health checks in addition to the EC2 health checks that are always enabled.

☒ EC2 ☐ ELB

Health check grace period

The amount of time until EC2 Auto Scaling performs the first health check on new instances after they are put into service.

300 seconds

Additional settings - optional

Monitoring [Info](#)

☐ Enable group metrics collection within CloudWatch

Cancel

Previous

Skip to review

Next

15. Specify Minimum, Maximum and Desired number of instances (Minimum should always be greater than 1). Click on next.

EC2 > Auto Scaling groups > Create Auto Scaling group

Step 1
[Choose launch template or configuration](#)

Step 2
[Configure settings](#)

Step 3 (optional)
[Configure advanced options](#)

Step 4 (optional)
Configure group size and scaling policies

Step 5 (optional)
[Add notifications](#)

Step 6 (optional)
[Add tags](#)

Configure group size and scaling policies [Info](#)

Set the desired, minimum, and maximum capacity of your Auto Scaling group. You can optionally add a scaling policy to dynamically scale the number of instances in the group.

Group size - optional [Info](#)

Specify the size of the Auto Scaling group by changing the desired capacity. You can also specify minimum and maximum capacity limits. Your desired capacity must be within the limit range.

Desired capacity

Minimum capacity

Maximum capacity

Scaling policies - optional

Choose whether to use a scaling policy to dynamically resize your Auto Scaling group to meet changes in demand. [Info](#)

☐ Target tracking scaling policy
Choose a desired outcome and leave it to the scaling policy to add and remove capacity as needed to achieve that outcome.

☒ None

Instance scale-in protection - optional

Instance scale-in protection
If protect from scale in is enabled, newly launched instances will be protected from scale in by default.

☐ Enable instance scale-in protection

Cancel

Previous

Skip to review

Next

16. Add notifications if required.

EC2 > Auto Scaling groups > Create Auto Scaling group

Step 1
[Choose launch template or configuration](#)

Step 2
[Configure settings](#)

Step 3 (optional)
[Configure advanced options](#)

Step 4 (optional)
[Configure group size and scaling policies](#)

Step 5 (optional)
Add notifications

Step 6 (optional)
[Add tags](#)

Step 7
[Review](#)

Add notifications [Info](#)

Send notifications to SNS topics whenever Amazon EC2 Auto Scaling launches or terminates the EC2 instances in your Auto Scaling group.

Cancel

Previous

Skip to review

Next

Network

Network


VPC

[vpc-0a9c39c2f73764b91](#) 

Availability Zone

Subnet

us-east-1a

[subnet-0a4741537b32f6e66](#) 

172.31.32.0/20

Step 3: Configure advanced options

Edit

Load balancing

Load balancer 1

Name

ProjectASG-1

Type

Application/HTTP

Target group

ProjectASG-1

Health checks

Health check type

EC2

Health check grace period

300 seconds

Additional settings

Monitoring

Disabled

Step 4: Configure group size and scaling policies

Edit

Group size

Desired capacity

3

Minimum capacity

2

Maximum capacity

5

Scaling policy

No scaling policy

Instance scale-in protection

Instance scale-in protection

☐ Enable instance protection from scale in

Step 5: Add notifications

Edit

Notifications

No notifications

Step 6: Add tags

Edit

Tags (1)

Key	Value	Tag new instances
Project	dev	Yes

Cancel

Create Auto Scaling group

19. ASG has been created successfully.

EC2 > Auto Scaling groups

Auto Scaling groups (1)

Search your Auto Scaling groups

< 1 >

	Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Availability
<input type="checkbox"/>	ProjectASG	ProjectTemplate Version Default	3	-	3	2	5	us-east-

20. Number of EC2 instances created will be equal to number of instances specified in Desired capacity while creating ASG. Hence 3 EC2 instances have been created.

Instances (3) Info

Filter instances

Instance state: running Clear filters

< 1 >

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DN
<input type="checkbox"/>	Instance1	i-0e6bfc2c71308505	Running	t2.micro	Initializing	No alarms +	us-east-1a	ec2-54-224-17
<input type="checkbox"/>	Instance2	i-0dba521fe4617ad98	Running	t2.micro	Initializing	No alarms +	us-east-1a	ec2-52-90-176
<input type="checkbox"/>	Instance3	i-0d2b0d6d884ae9b1e	Running	t2.micro	Initializing	No alarms +	us-east-1a	ec2-34-229-15

21. Now to connect the EC2 instance to database you must edit inbound rules and add mysql on port no 3306. Also to SSH into the instance port 80 must be specified in inbound rule .

Instances (1/3) Info

Filter instances

Instance state: running X Clear filters

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input checked="" type="checkbox"/>	Instance1	i-0e6bcfc2c71308505	Running	t2.micro	Initializing	No alarms +	us-east-1a
<input type="checkbox"/>	Instance2	i-0dba521fe4617ad98	Running	t2.micro	Initializing	No alarms +	us-east-1a
<input type="checkbox"/>	Instance3	i-0d2b0d6d884ae9b1e	Running	t2.micro	Initializing	No alarms +	us-east-1a

Instance: i-0e6bcfc2c71308505 (Instance1)

Details Security Networking Storage Status checks Monitoring Tags

▼ Security details

IAM Role: -

Security groups: sg-0dc0e07ae720ef3e5 (default)

▼ Inbound rules

Owner ID: 578063774930

Launch time: Tue Oct 05 2021 21:56:42 GMT+0530 (India Stand)

EC2 > Security Groups > sg-0dc0e07ae720ef3e5 - default

sg-0dc0e07ae720ef3e5 - default Actions

Details

Security group name: default

Security group ID: sg-0dc0e07ae720ef3e5

Description: default VPC security group

VPC ID: vpc-0a9c39c2f73764b91

Owner: 578063774930

Inbound rules count: 3 Permission entries

Outbound rules count: 1 Permission entry

Inbound rules Outbound rules Tags

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer X

Inbound rules (3) Manage tags Edit inbound rules

Filter security group rules

EC2 > Security Groups > sg-0dc0e07ae720ef3e5 - default > Edit inbound rules

Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules Info

Security group rule ID	Type	Protocol	Port range	Source	Description - optional
sg-0a44c0ba3b840533b	SSH	TCP	22	Custom 0.0.0.0/0 X	Delete
sg-01cee2da6f8c4b38	MYSQL/Aurora	TCP	3306	Custom 0.0.0.0/0 X	Delete
sg-0155104c981dba81a	All traffic	All	All	Custom sg-0dc0e07ae720ef3e5 X	Delete

Add rule

Cancel Preview changes Save rules

22. Now connect to the EC2 instance by clicking on connect.

Instances (1/3) [Info](#)

🔄

Connect

Instance state ▼

Actions ▼

🔍 Filter instances

Instance state: running ✕

Clear filters

<input checked="" type="checkbox"/>	Name ▼	Instance ID	Instance state ▼	Instance type ▼	Status check	Alarm status	Availability zone
<input checked="" type="checkbox"/>	Instance1	i-0e6bcfc2c71308505	🟢 Running 🔍	t2.micro	🕒 Initializing	No alarms +	us-east-1a
<input type="checkbox"/>	Instance2	i-0dba521fe4617ad98	🟢 Running 🔍	t2.micro	🕒 Initializing	No alarms +	us-east-1a
<input type="checkbox"/>	Instance3	i-0d2b0d6d884ae9b1e	🟢 Running 🔍	t2.micro	🕒 Initializing	No alarms +	us-east-1a

[EC2](#) > [Instances](#) > [i-0e6bcfc2c71308505](#) > Connect to instance

Connect to instance [Info](#)

Connect to your instance i-0e6bcfc2c71308505 using any of these options

EC2 Instance Connect

Session Manager

SSH client

EC2 Serial Console

Instance ID

i-0e6bcfc2c71308505

Public IP address

54.224.175.147

User name

ec2-user

Connect using a custom user name, or use the default user name ec2-user for the AMI used to launch the instance.

Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

Cancel

Connect

23. Below are the commands used to access the database through EC2 instance. Employee table has been created which has the employee details.

```

 _ _ | _ _ |
 _ | ( _ | _ | /
 _ | \ _ | _ | |

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
11 package(s) needed for security, out of 35 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-47-33 ~]$ sudo su
[root@ip-172-31-47-33 ec2-user]# yum install mysql
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
Resolving Dependencies
--> Running transaction check
--> Package mariadb.x86_64 1:5.5.68-1.amzn2 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package Arch Version Repository Size
=====
Installing:
mariadb x86_64 1:5.5.68-1.amzn2 amzn2-core 8.8 M

Transaction Summary
=====
Install 1 Package

Total download size: 8.8 M
Installed size: 49 M
Is this ok [y/d/N]: y
Downloading packages:
mariadb-5.5.68-1.amzn2.x86_64.rpm | 8.8 MB 00:00:00

mariadb-5.5.68-1.amzn2.x86_64.rpm | 8.8 MB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : 1:mariadb-5.5.68-1.amzn2.x86_64 1/1
Verifying : 1:mariadb-5.5.68-1.amzn2.x86_64 1/1

Installed:
mariadb.x86_64 1:5.5.68-1.amzn2

Complete!
[root@ip-172-31-47-33 ec2-user]# mysql -h projectdb.cmwry523zjlb.us-east-1.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MySQL connection id is 21
Server version: 8.0.23 Source distribution

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

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

MySQL [(none)]> show databases;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'dat
abases' at line 1
MySQL [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+

4 rows in set (0.00 sec)

MySQL [(none)]> create database Project;
Query OK, 1 row affected (0.01 sec)

MySQL [(none)]> use Project;
Database changed
MySQL [Project]> create table Project.employee(empid integer,empName varchar(20),empDept varchar(20),empSalary integer);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '.em
pDept varchar(20),empSalary integer)' at line 1
MySQL [Project]> create table Project.employee(empid integer,empName varchar(20),empDept varchar(20),empSalary integer);
Query OK, 0 rows affected (0.03 sec)

MySQL [Project]> insert into Project.employee values(1,"Rohit","IT",500000);
Query OK, 1 row affected (0.01 sec)

MySQL [Project]> insert into Project.employee values(2,"Mansi","Sales",550000);
Query OK, 1 row affected (0.01 sec)

MySQL [Project]> insert into Project.employee values(3,"Aditi","HR",350000);
Query OK, 1 row affected (0.00 sec)

MySQL [Project]> select * from Project.employee;
+-----+
| empid | empName | empDept | empSalary |
+-----+
| 1 | Rohit | IT | 500000 |
| 2 | Mansi | Sales | 550000 |
| 3 | Aditi | HR | 350000 |
+-----+
3 rows in set (0.00 sec)

MySQL [Project]> select empName from Project.employee where empid=3;
+-----+

```



```
MySQL [Project]> select empName from Project.employee where empid=3;
```

```
-----+  
| empName |
```

```
-----+  
| Aditi   |
```

```
-----+  
1 row in set (0.00 sec)
```

```
MySQL [Project]> █
```