```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud services enable storage.googleapis.com
```

```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud storage buckets create gs://my-unique-bucket35 --location=us-central1
Creating gs://my-unique-bucket35/...
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ g^C
```

```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud storage cp testfile.txt gs://my-unique-bucket35/
Copying file://testfile.txt to gs://my-unique-bucket35/testfile.txt
  Completed files 1/1 | 20.0B/20.0B
```

```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud storage ls gs://my-unique-bucket35/
gs://my-unique-bucket35/AI_LAB_06.ipynb
gs://my-unique-bucket35/testfile.txt
```

```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud storage cp gs://my-unique-bucket35/testfile.txt .
Copying gs://my-unique-bucket35/testfile.txt to file://./testfile.txt
  Completed files 1/1 | 20.0B/20.0B
```

```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud storage buckets add-iam-policy-binding gs://my-unique-bucket35 \
  --role=roles/storage.objectViewer \
  --member=allUsers
bindings:
- members:
  - projectEditor:refined-sunup-455515-d0
  - projectOwner:refined-sunup-455515-d0
  role: roles/storage.legacyBucketOwner
- members:
  - projectViewer:refined-sunup-455515-d0
  role: roles/storage.legacyBucketReader
- members:
  - allUsers
  role: roles/storage.objectViewer
etag: CAI=
kind: storage#policy
resourceId: projects/_/buckets/my-unique-bucket35
version: 1
```

```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud storage buckets delete gs://my-unique-bucket35
Removing gs://my-unique-bucket35/...
  Completed 1/1
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$
```

Uploads and My Project 92210 operations

AI_LAB_06.ipynb Complete

```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud services enable sqladmin.googleapis.com
```

```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud sql instances create my-mysql35     --data
base-version=MYSQL_8_0     --tier=db-n1-standard-2     --region=us-central1     --root-password=cloud35
Creating Cloud SQL instance for MYSQL_8_0...done.
Created [https://sqladmin.googleapis.com/sql/v1beta4/projects/refined-sunup-455515-d0/instances/my-mysql35].
NAME: my-mysql35
DATABASE_VERSION: MYSQL_8_0
LOCATION: us-central1-c
TIER: db-n1-standard-2
PRIMARY_ADDRESS: 34.123.125.143
PRIVATE_ADDRESS: -
STATUS: RUNNABLE
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$
```

```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud sql instances describe my-mysql35 \
    --format="value(ipAddresses.ipAddress)"
34.45.248.153
```

```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud sql connect my-mysql35 --user=root
Allowlisting your IP for incoming connection for 5 minutes...done.
Connecting to database with SQL user [root].Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 88
Server version: 8.0.27-google (Google)

Copyright (c) 2000, 2025, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

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

mysql> create database mydata;
Query OK, 1 row affected (0.21 sec)

mysql> use mydata;
Database changed
mysql> create table user(id int auto_increment primary key, name varchar(100), email varchar(100) unique);
Query OK, 0 rows affected (0.24 sec)

mysql> insert into user(name,email) values ('Alice','alice@gmail.com');
Query OK, 1 row affected (0.21 sec)

mysql> select * from user;
+----+-------+-----------------+
| id | name  | email           |
+----+-------+-----------------+
|  1 | Alice | alice@gmail.com |
+----+-------+-----------------+
1 row in set (0.21 sec)

mysql> ^C
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ Gcloud sql instances patch my-mysql35 --availabi
```

```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud sql instances patch my-mysql35 --backup-s
tart-time=02:00
The following message will be used for the patch API method.
{"name": "my-mysql35", "project": "refined-sunup-455515-d0", "settings": {"backupConfiguration": {"backupRetentionSettings": {"retainedBackups": 7, "retentionUnit": "COUNT"}, "enabled": true, "startTime": "02:00",
 "transactionLogRetentionDays": 7, "transactionalLogStorageState": "TRANSACTIONAL_LOG_STORAGE_STATE_UNSPECIFIED"}}}
Patching Cloud SQL instance...done.
Updated [https://sqladmin.googleapis.com/sql/v1beta4/projects/refined-sunup-455515-d0/instances/my-mysql35].
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud sql backups create --instance=my-mysql35
Backing up Cloud SQL instance...done.
[https://sqladmin.googleapis.com/sql/v1beta4/projects/refined-sunup-455515-d0/instances/my-mysql35] backed up.
```

```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud sql backups restore projects/refined-sunup-455515-d0/backups/1744300221406     --restore-instance=my-mysql35
1. All current data on the instance will be lost when the backup is restored to an existing instance.
2. If restoring to a new instance, settings will be applied from the backups unless they are overriden.

Do you want to continue (Y/n)?  y
```

```
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud sql instances list
NAME: my-mysql-instance35
DATABASE_VERSION: MYSQL_8_0
LOCATION: us-central1-c
TIER: db-n1-standard-2
PRIMARY_ADDRESS: 34.56.55.242
PRIVATE_ADDRESS: -
STATUS: RUNNABLE

NAME: my-mysql35
DATABASE_VERSION: MYSQL_8_0
LOCATION: us-central1-c
TIER: db-n1-standard-2
PRIMARY_ADDRESS: 34.45.248.153
PRIVATE_ADDRESS: -
STATUS: RUNNABLE
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud sql instances patch my-mysql35 --tier=db-
n1-standard-4
The following message will be used for the patch API method.
{"name": "my-mysql35", "project": "refined-sunup-455515-d0", "settings": {"tier": "db-n1-standard-4"}}
WARNING: This patch modifies a value that requires your instance to be restarted. Submitting this patch
will immediately restart your instance if it's running.

Do you want to continue (Y/n)?  y

Patching Cloud SQL instance...done.
Updated [https://sqladmin.googleapis.com/sql/v1beta4/projects/refined-sunup-455515-d0/instances/my-mysql35].
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$ gcloud sql instances delete my-mysql35
All of the instance data will be lost when the instance is deleted.

Do you want to continue (Y/n)?  y

Deleting Cloud SQL instance...done.
Deleted [https://sqladmin.googleapis.com/sql/v1beta4/projects/refined-sunup-455515-d0/instances/my-mysql35].
keertanacloud09@cloudshell:~ (refined-sunup-455515-d0)$
```