

Lab 1.1:

Q7:

```
salmamyoussef99@cloudshell:~ (salma-youssef-project)$ gcloud projects list
PROJECT_ID: encoded-joy-375711
NAME: My First Project
PROJECT_NUMBER: 94088376384

PROJECT_ID: salma-youssef-project
NAME: salma youssef project
PROJECT_NUMBER: 779319977527
salmamyoussef99@cloudshell:~ (salma-youssef-project)$ gcloud config set project default
WARNING: You do not appear to have access to project [default] or it does not exist.
Are you sure you wish to set property [core/project] to default?

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

Updated property [core/project].
salmamyoussef99@cloudshell:~ (default)$ gcloud projects list
PROJECT_ID: encoded-joy-375711
NAME: My First Project
PROJECT_NUMBER: 94088376384

PROJECT_ID: salma-youssef-project
NAME: salma youssef project
PROJECT_NUMBER: 779319977527
salmamyoussef99@cloudshell:~ (default)$
```

Q9:

```
salmamyoussef@salmamyoussef-Satellite-C55-B:~$ gcloud projects list
PROJECT_ID      NAME                PROJECT_NUMBER
encoded-joy-375711  My First Project    94088376384
salma-youssef-project  salma youssef project  779319977527
salmamyoussef@salmamyoussef-Satellite-C55-B:~$ gcloud config set project default
WARNING: You do not appear to have access to project [default] or it does not exist.
Are you sure you wish to set property [core/project] to default?

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

Updated property [core/project].
salmamyoussef@salmamyoussef-Satellite-C55-B:~$
```

Lab 1.2:

Q1:

Activities Google Chrome 01:18 2 فبراير

GCP - Lab 1 - مستندات Google x Create Role - IAM & Admin x Install the gcloud CLI | Google x +

console.cloud.google.com/iam-admin/roles/create?project=salma-youssef-project

Google utilities Social Media Google Gmail Outlook Teams LinkedIn FlowCV DeepRacer St... Pluralsight Other bookmarks

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Google Cloud salma youssef project Search (/) for resources, docs, products, and more Search

IAM & Admin

← Create Role HELP ASSISTANT

Title *
my-custom-role-1 16 / 100 characters

Description
Created on: 2023-02-02 22 / 256 characters

ID *
CustomRole

Role launch stage
Alpha

+ ADD PERMISSIONS

2 assigned permissions

Filter Enter property name or value

Permission	Status
iam.roles.get	Supported
iam.roles.list	Supported

2 permissions added

Q3:

Activities Google Chrome 01:19 2 فبراير

GCP - Lab 1 - مستندات Google x Create service account - IAM & Admin x Install the gcloud CLI | Google x +

console.cloud.google.com/iam-admin/serviceaccounts/create?project=salma-youssef-project

Google utilities Social Media Google Gmail Outlook Teams LinkedIn FlowCV DeepRacer St... Pluralsight Other bookmarks

Start your Free Trial with \$300 in credit. Don't worry—you won't be charged if you run out of credits. [Learn more](#) DISMISS ACTIVATE

Google Cloud salma youssef project Search (/) for resources, docs, products, and more Search

IAM & Admin

← Create service account HELP ASSISTANT

1 Service account details

Service account name
my-first-srviceaccount
Display name for this service account

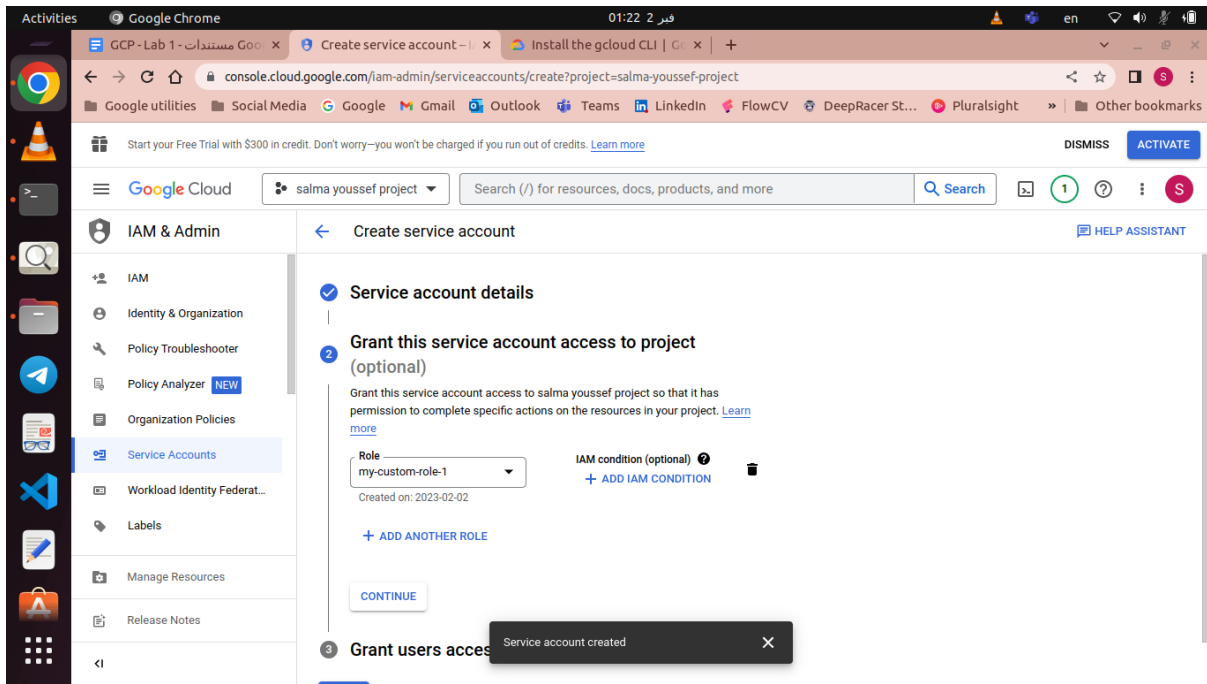
Service account ID *
my-first-srviceaccount X C
Email address: my-first-srviceaccount@salma-youssef-project.iam.gserviceaccount.com

Service account description
Describe what this service account will do

CREATE AND CONTINUE

2 Grant this service account access to project (optional)

Role created



Q5:

I:

```
salmanyoussef@salmanyoussef-Satellite-C55-B:~$ gcloud auth login
Your browser has been opened to visit:

https://accounts.google.com/o/oauth2/auth?response_type=code&client_id=32555940559.apps.googleusercontent.com&redirect_uri=http%3A%2F%2Flocalhost%3A8085%2F&scope=openid+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platfo
rm+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fappengine.admin+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fsqlservice.login+https%3A%2F%2Fwww.goog
leapis.com%2Fauth%2Fcompute+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Faccounts.reauth&state=zgGAMCY1cNuRLqbDnMsmnv03XvhbDH&access_type=offline
&code_challenge=-_MF_R7YS-K_ymyb5mvtatg9eILQm4ia37igPkNLCn8&code_challenge_method=S256

You are now logged in as [salmanyoussef99@gmail.com].
Your current project is [salma-youssef-project]. You can change this setting by running:
$ gcloud config set project PROJECT_ID
salmanyoussef@salmanyoussef-Satellite-C55-B:~$ gcloud projects list
PROJECT_ID      NAME                PROJECT_NUMBER
encoded-joy-375711  My First Project    94088376384
salma-youssef-project  salma youssef project  779319977527
salmanyoussef@salmanyoussef-Satellite-C55-B:~$ gcloud config set project salma-youssef-project
Updated property [core/project].
salmanyoussef@salmanyoussef-Satellite-C55-B:~$ gcloud projects list
PROJECT_ID      NAME                PROJECT_NUMBER
encoded-joy-375711  My First Project    94088376384
salma-youssef-project  salma youssef project  779319977527
salmanyoussef@salmanyoussef-Satellite-C55-B:~$
```

II:III:

IV:

```
salma-youssef-project salma youssef project 779319977527
salmanyoussef@salmanyoussef-Satellite-C55-B:~$ gcloud iam service-accounts list
DISPLAY_NAME      EMAIL                                DISABLED
my-first-serviceaccount  my-first-serviceaccount@salma-youssef-project.iam.gserviceaccount.com  False
salmanyoussef@salmanyoussef-Satellite-C55-B:~$
```

V:

```
salmanyoussef@salmanyoussef-Satellite-C55-B:~$ cd ~/Documents/ITI-devops/GCP/credentials
salmanyoussef@salmanyoussef-Satellite-C55-B:~/Documents/ITI-devops/GCP/credentials$ gcloud auth activate-service-account --
-key-file=lab1_serviceaccount.json
Activated service account credentials for: [my-first-serviceaccount@salma-youssef-project.iam.gserviceaccount.com]
salmanyoussef@salmanyoussef-Satellite-C55-B:~/Documents/ITI-devops/GCP/credentials$
```

VI:

```
salmayoussef@salmayoussef-Satellite-C55-B:~$ gcloud config set account my-first-serviceaccount
Updated property [core/account].
salmayoussef@salmayoussef-Satellite-C55-B:~$ gcloud iam service-accounts list
ERROR: (gcloud.iam.service-accounts.list) Your current active account [my-first-serviceaccount] does not have any valid credentials
Please run:

  $ gcloud auth login

to obtain new credentials.

For service account, please activate it first:

  $ gcloud auth activate-service-account ACCOUNT
salmayoussef@salmayoussef-Satellite-C55-B:~$
```

VII:

```
salmayoussef@salmayoussef-Satellite-C55-B:~/Documents/ITI-devops/GCP/credentials$ gcloud iam roles list --project salma-youssef-project
API [iam.googleapis.com] not enabled on project [779319977527]. Would you like to enable and retry (this will take a few minutes)? (y/N)? y

Enabling service [iam.googleapis.com] on project [779319977527]...
ERROR: (gcloud.iam.roles.list) PERMISSION_DENIED: Permission denied to enable service [iam.googleapis.com]
Help Token: AVUsNs04100o8mYDTFm0d41AAhpq1Z0BoEYdFGDNCjjKUyylXHLirNkbnmw6eKy5QGrVM3wWmuba9BP5WKZKZ3F9gI6CHX3Cnc0dHkg4rkqKhJz
- '@type': type.googleapis.com/google.rpc.PreconditionFailure
  violations:
  - subject: ?error_code=110002&service=serviceusage.googleapis.com&permission=serviceusage.services.enable&resource=779319977527
    type: googleapis.com
- '@type': type.googleapis.com/google.rpc.ErrorInfo
  domain: serviceusage.googleapis.com
  metadata:
    permission: serviceusage.services.enable
    resource: '779319977527'
    service: serviceusage.googleapis.com
  reason: AUTH_PERMISSION_DENIED
salmayoussef@salmayoussef-Satellite-C55-B:~/Documents/ITI-devops/GCP/credentials$
```

VIII:

```
salmayoussef@salmayoussef-Satellite-C55-B:~/Documents/ITI-devops/GCP/credentials$ gcloud iam roles delete
my-custom-role-1 --project=salma-youssef-project
API [iam.googleapis.com] not enabled on project [779319977527]. Would you like to enable and retry
(this will take a few minutes)? (y/N)? y

Enabling service [iam.googleapis.com] on project [779319977527]...
ERROR: (gcloud.iam.roles.delete) PERMISSION_DENIED: Permission denied to enable service [iam.googleapis.com]
Help Token: AVUsNs3qtt_5bZDnvs2Zcr_K3AXYFdi22SieAA50Fy6-dQomFd9FCK31D9NbTLK68PVvHbSCeLXzsQ2bXIqgALGMKp9WOSZD
exP99a7gzccBlcxy
- '@type': type.googleapis.com/google.rpc.PreconditionFailure
  violations:
  - subject: ?error_code=110002&service=serviceusage.googleapis.com&permission=serviceusage.services.enable&
resource=779319977527
    type: googleapis.com
- '@type': type.googleapis.com/google.rpc.ErrorInfo
  domain: serviceusage.googleapis.com
  metadata:
    permission: serviceusage.services.enable
    resource: '779319977527'
    service: serviceusage.googleapis.com
  reason: AUTH_PERMISSION_DENIED
salmayoussef@salmayoussef-Satellite-C55-B:~/Documents/ITI-devops/GCP/credentials$
```