

In Class

Assignment 1

Code Commit

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1. Repository using git in AWS CodeCommit.

A. Code in terminal.

```
noorabutaleb@MacBook-Pro-alkhas-b-noor Desktop git clone
https://git-codecommit.us-west-1.amazonaws.com/v1/repos/DevOps-
Demo
Cloning into 'DevOps-Demo'...
Username for 'https://git-codecommit.us-west-1.amazonaws.com':
vscodecommit-at-173249463034
Password for 'https://vscodecommit-at-173249463034@git-
codecommit.us-west-1.amazonaws.com':
warning: You appear to have cloned an empty repository.
noorabutaleb@MacBook-Pro-alkhas-b-noor Desktop % git status
fatal: not a git repository (or any of the parent directories): .git
noorabutaleb@MacBook-Pro-alkhas-b-noor Desktop % cd DevOps-
Demo
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % git status
On branch master
No commits yet
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    index.html
nothing added to commit but untracked files present (use "git add" to
track)
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % git add .
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % git
commit -m "Updated index.html v1"
[master (root-commit) f5ec405] Updated index.html v1
 1 file changed, 13 insertions(+)
 create mode 100644 index.html
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % git status
On branch master
```

Your branch is based on 'origin/master', but the upstream is gone.
(use "git branch --unset-upstream" to fixup)

nothing to commit, working tree clean

```
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % gt push  
zsh: command not found: gt
```

```
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % git push  
Enumerating objects: 3, done.
```

```
Counting objects: 100% (3/3), done.
```

```
Delta compression using up to 4 threads
```

```
Compressing objects: 100% (2/2), done.
```

```
Writing objects: 100% (3/3), 340 bytes | 340.00 KiB/s, done.
```

```
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
```

```
To https://git-codecommit.us-west-1.amazonaws.com/v1/repos/DevOps-Demo
```

```
* [new branch]    master -> master
```

```
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % git  
checkout -b junior-dev
```

```
Switched to a new branch 'junior-dev'
```

```
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % git status  
On branch junior-dev
```

```
Untracked files:
```

```
(use "git add <file>..." to include in what will be committed)
```

```
indexNew.html
```

```
nothing added to commit but untracked files present (use "git add" to  
track)
```

```
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % git add .
```

```
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % git push  
fatal: The current branch junior-dev has no upstream branch.
```

```
To push the current branch and set the remote as upstream, use
```

```
git push --set-upstream origin junior-dev
```

```
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % git status  
On branch junior-dev
```

```
Changes to be committed:
```

```
(use "git restore --staged <file>..." to unstage)
```

new file: indexNew.html

```
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % git  
commit -m "Updated indexNew.html v1"
```

```
[junior-dev ace4a5d] Updated indexNew.html v1
```

```
1 file changed, 12 insertions(+)
```

```
create mode 100644 indexNew.html
```

```
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % git push
```

```
fatal: The current branch junior-dev has no upstream branch.
```

```
To push the current branch and set the remote as upstream, use
```

```
git push --set-upstream origin junior-dev
```

```
noorabutaleb@MacBook-Pro-alkhas-b-noor DevOps-Demo % git push -
```

```
-set-upstream origin junior-dev
```

```
Enumerating objects: 4, done.
```

```
Counting objects: 100% (4/4), done.
```

```
Delta compression using up to 4 threads
```

```
Compressing objects: 100% (3/3), done.
```

```
Writing objects: 100% (3/3), 398 bytes | 398.00 KiB/s, done.
```

```
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
```

```
To https://git-codecommit.us-west-1.amazonaws.com/v1/repos/DevOps-  
Demo
```

```
* [new branch]    junior-dev -> junior-dev
```

```
Branch 'junior-dev' set up to track remote branch 'junior-dev' from  
'origin'.
```

B. Repository created

The screenshot shows the AWS CodeCommit 'Repositories' page. The left sidebar contains navigation links for 'Source • CodeCommit', 'Getting started', 'Repositories' (highlighted), 'Approval rule templates', 'Build • CodeBuild', 'Deploy • CodeDeploy', 'Pipeline • CodePipeline', and 'Settings'. The main content area shows a list of repositories with the following table:

	Name	Description	Last modified	Clone URL
<input type="radio"/>	DevOps-Demo	this is the first demo purpose only	9 hours ago	HTTPS SSH HTTPS (GRC)

Buttons at the top include 'Create repository' (orange), 'Delete repository', 'View repository', 'Clone URL', 'Notify', and 'Info'. A search bar and pagination controls are also visible.

C. Pushed files inside the repository

The screenshot shows the AWS CodeCommit page for the 'DevOps-Demo' repository. The left sidebar is updated with additional links: 'Code', 'Pull requests', 'Commits', 'Branches', 'Git tags', and 'Settings'. The main content area displays the repository name 'DevOps-Demo' and a table of files:

Name
index.html

Buttons at the top include 'Create pull request', 'Clone URL', 'Notify', and a dropdown for the 'master' branch. An 'Add file' button is located in the top right of the file list area.

D. Notification created

The screenshot shows the AWS CodeCommit console interface. The left sidebar contains a navigation menu with options like 'Source', 'Build', 'Deploy', 'Pipeline', and 'Settings'. The main content area is titled 'DevOps-Demo' and has tabs for 'General', 'Notifications', 'Triggers', and 'Repository tags'. The 'Notifications' tab is active, displaying 'Notification rules' for 'DevOps-Demo'. A table lists one rule: 'my-First-Notify', which was created 'Just now', is 'Enabled', and has '11 events'. Buttons for 'View details', 'Edit', 'Delete', and 'Create notification rule' are visible.

Notification rule	Created	Sending notifications	Notifying events
my-First-Notify	Just now	Enabled	11 events

E. Trigger created

The screenshot shows the AWS CodeCommit console interface after creating a trigger. A green success banner at the top reads 'Success Trigger created'. The 'Triggers' tab is now active in the 'DevOps-Demo' settings. A table lists one trigger: 'My-First-Trigger', which is triggered by 'All repository events' on the 'master' branch, using 'Amazon SNS' as the service. Buttons for 'Edit', 'Delete', 'Test trigger', and 'Create trigger' are visible.

Name	Events	Branches	Service
My-First-Trigger	All repository events	master	Amazon SNS

F. Updated file.

The screenshot displays the AWS CodeCommit console interface. At the top, there's a navigation bar with the AWS logo, 'Services' dropdown, a search bar, and user information. A green success banner at the top of the main content area states 'Success Pull request 1 has been created.' The left sidebar contains a 'Developer Tools' section with 'CodeCommit' selected, and a list of options including 'Source', 'Getting started', 'Repositories', 'Code', 'Pull requests' (highlighted), 'Commits', 'Branches', 'Git tags', 'Settings', 'Approval rule templates', 'Build', 'Deploy', 'Pipeline', and 'Settings'. The main content area shows the details of pull request '1: newUpdate'. It includes buttons for 'Close pull request' and 'Merge'. Below these are tabs for 'Details', 'Activity', 'Changes' (selected), 'Commits', and 'Approvals'. The 'Changes' tab shows a diff for 'indexNew.html', which is marked as 'Added'. The diff content is as follows:

```
1 + <!DOCTYPE html>
2 + <html>
3 + <head>
4 + <title>Page Title</title>
5 + </head>
6 + <body>
7 +
8 + <h1>This is NOOR</h1>
9 + <p>This is a SECOND</p>
10 +
11 + </body>
12 + </html>
```

At the bottom of the console, there's a footer with 'Feedback', 'English (US)' dropdown, and copyright information: '© 2008 - 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.' along with links for 'Privacy Policy', 'Terms of Use', and 'Cookie preferences'.

G. CloudWatch to see the updated files

The screenshot shows the AWS CloudWatch console interface. The left sidebar contains a navigation menu with categories like Dashboards, Alarms, Logs, Metrics, Events, ServiceLens, Container Insights, Lambda Insights, Synthetics, and Settings. The 'Logs' section is expanded, showing 'Log groups' with a count of 0. The main content area displays the details for the log group '/aws/lambda/DevOps-Demo'. The 'Log group details' section shows retention set to 'Never expire', creation time '4 minutes ago', and other metadata. Below this, the 'Log streams' tab is active, showing a table with one log stream. The table has columns for 'Log stream' and 'Last event time'. The log stream name is '2021/06/21/[\$LATEST]b8d397f71ef54485ae27bff6a2ed41f9' and the last event time is '2021-06-21 11:01:10 (UTC+03:00)'. The bottom of the console shows a footer with 'Feedback', 'English (US)', and copyright information.

CloudWatch > Log groups > /aws/lambda/DevOps-Demo

/aws/lambda/DevOps-Demo Actions View in Logs Insights Search log group

Log group details

Retention Never expire	Creation time 4 minutes ago	Stored bytes -	ARN arn:aws:logs:us-west-1:173249463034:log-group:/aws/lambda/DevOps-Demo:*
KMS key ID -	Metric filters 0	Subscription filters 0	Contributor Insights rules -

Log streams Metric filters Subscription filters Contributor Insights Tags

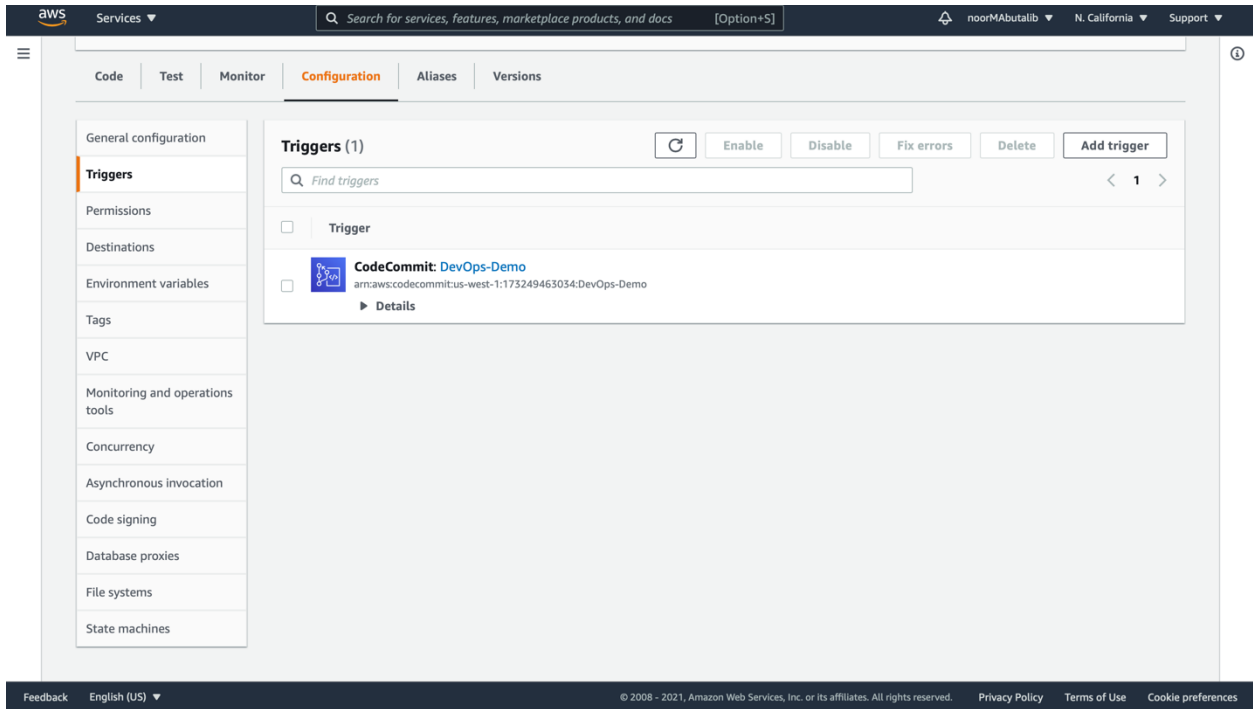
Log streams (1) Refresh Delete Create log stream Search all

Filter log streams or try prefix search

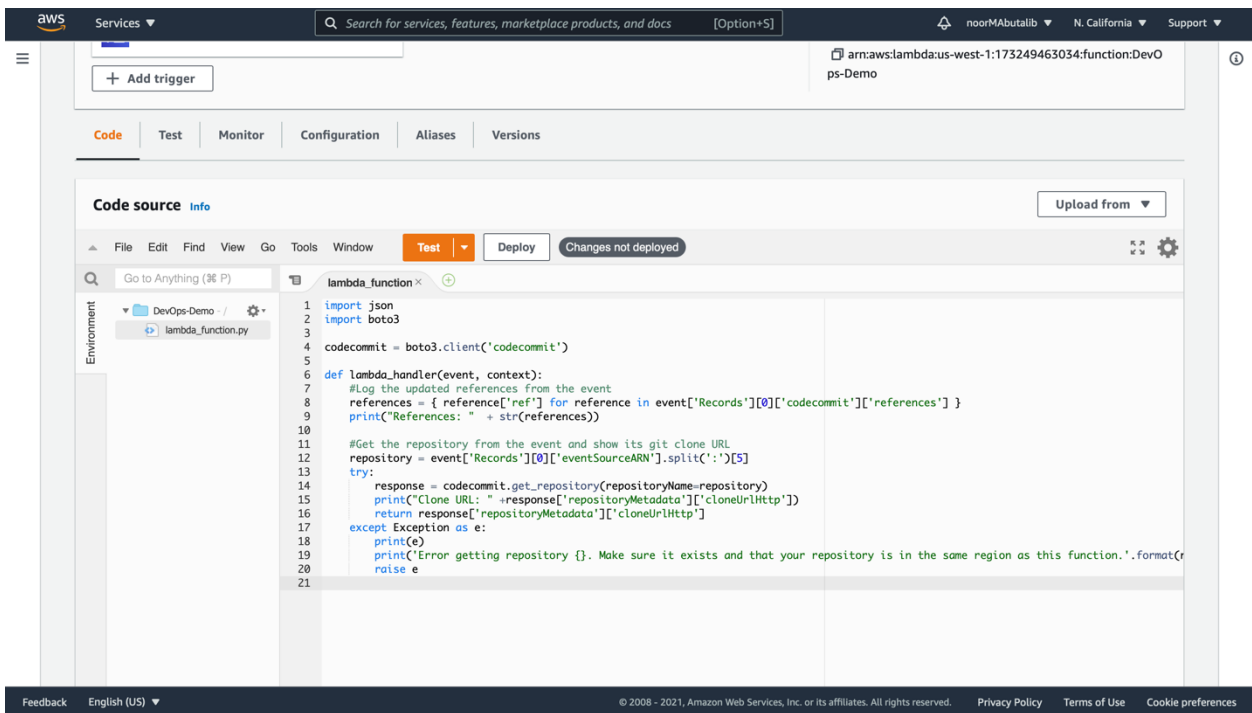
Log stream	Last event time
2021/06/21/[\$LATEST]b8d397f71ef54485ae27bff6a2ed41f9	2021-06-21 11:01:10 (UTC+03:00)

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H. Lambda created



I. Add lambda function code



J. Added successfully

The screenshot displays the AWS Lambda console for the 'DevOps-Demo' function. At the top, a green notification bar states: 'The trigger DevOps-Demo was successfully added to function DevOps-Demo. The function is now receiving events from the trigger.' Below this, the 'Function overview' section shows the function name 'DevOps-Demo', its layers (0), and the trigger 'CodeCommit'. A '+ Add trigger' button is visible. To the right, the 'Description' is '-', 'Last modified' is '4 minutes ago', and the 'Function ARN' is 'arn:aws:lambda:us-west-1:173249463034:function:DevOps-Demo'. The 'Code source' section at the bottom shows the 'Test' button and a 'Changes deployed' status. The bottom of the console features a dark blue footer with 'Feedback', 'English (US)', '© 2008 - 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.', 'Privacy Policy', 'Terms of Use', and 'Cookie preferences'.

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Lambda > Functions > DevOps-Demo

DevOps-Demo

Throttle Copy ARN Actions

✓ The trigger DevOps-Demo was successfully added to function DevOps-Demo. The function is now receiving events from the trigger.

▼ Function overview Info

DevOps-Demo

Layers (0)

CodeCommit

+ Add trigger

+ Add destination

Description -

Last modified 4 minutes ago

Function ARN
arn:aws:lambda:us-west-1:173249463034:function:DevOps-Demo

Code Test Monitor Configuration Aliases Versions

Code source Info Upload from

File Edit Find View Go Tools Window Test Deploy Changes deployed

Go to Anything (⌘ P)

DevOps-Demo

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