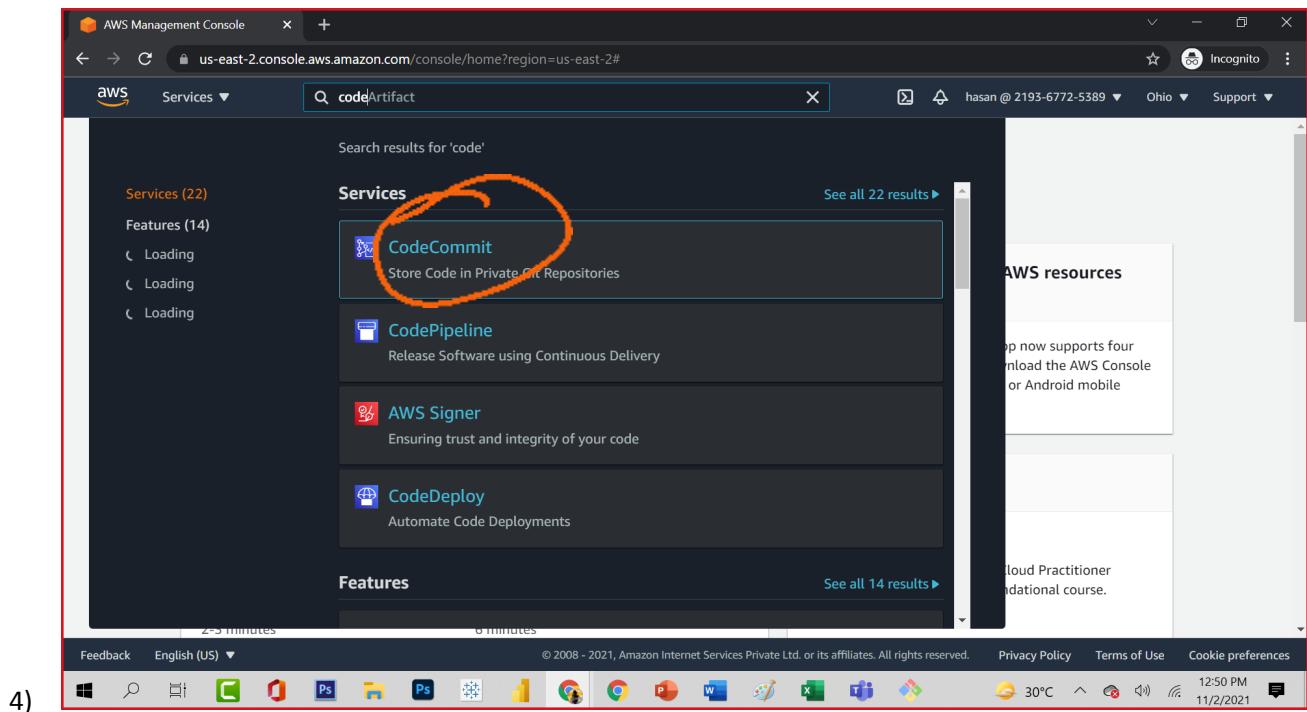


## Code commit lab

- 1) Create a user via IAM role and give the user the administrative access ✓
- 2) Login via your iam account ✓
- 3) Search for codecommit in IAM account management console

user all admin rights



CodeCommit - AWS Developer Tools

us-east-2.console.aws.amazon.com/codesuite/codecommit/start?region=us-east-2

AWS CodeCommit

Create secure repositories for sharing your code in the cloud

AWS CodeCommit is a fully-managed source control service that makes it easy for companies to host secure and highly scalable private Git repositories. CodeCommit eliminates the need to operate your own source control system or worry about scaling its infrastructure.

How it works

Pricing

Create AWS CodeCommit repo

Get started with AWS CodeCommit by creating a secure repository to store and share your code.

Create repository

Feedback English (US)

Privacy Policy Terms of Use Cookie preferences

12:51 PM 11/2/2021

5)

online repos

CodeCommit - AWS Developer Tools

us-east-2.console.aws.amazon.com/codesuite/codecommit/repositories/hasan-app-repo/setup?region=us-east-2

Success

Repository successfully created

Developer Tools > CodeCommit > Repositories > hasan-app-repo

hasan-app-repo

Clone URL

Connection steps

HTTPS SSH HTTPS (GRC)

Step 1: Prerequisites

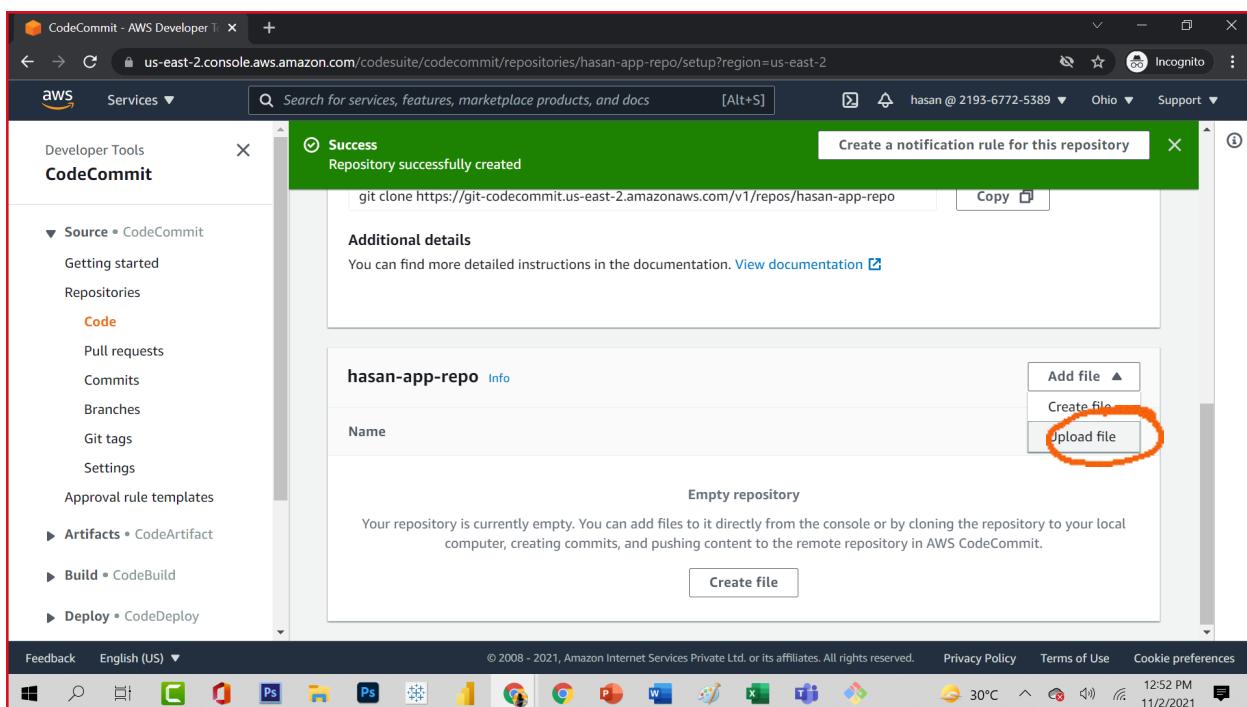
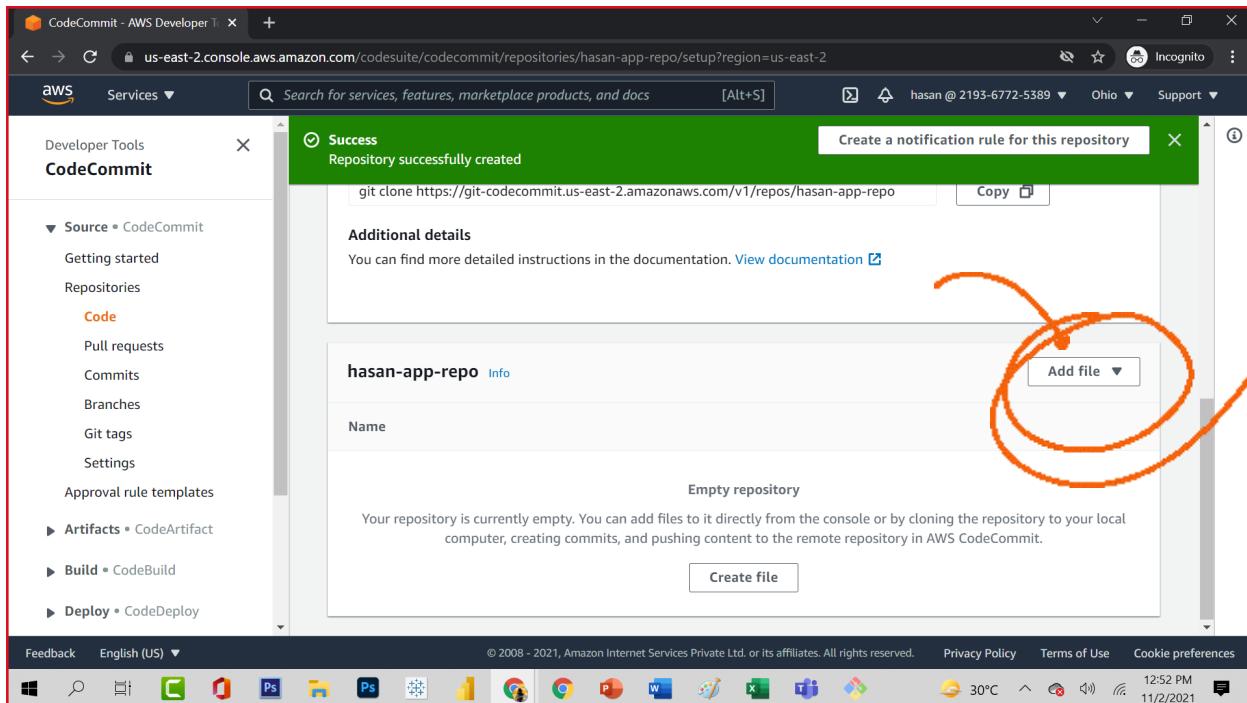
You must use a Git client that supports Git version 1.7.9 or later to connect to an AWS CodeCommit repository. If you do not have a Git client, you can install one from Git downloads. [View Git downloads page](#)

You must have an AWS CodeCommit managed policy attached to your IAM user, belong to a CodeStar project team, or have the equivalent permissions. [Learn how to create and configure an IAM user for accessing AWS CodeCommit](#) | [Learn how to add team members to an AWS CodeStar Project](#)

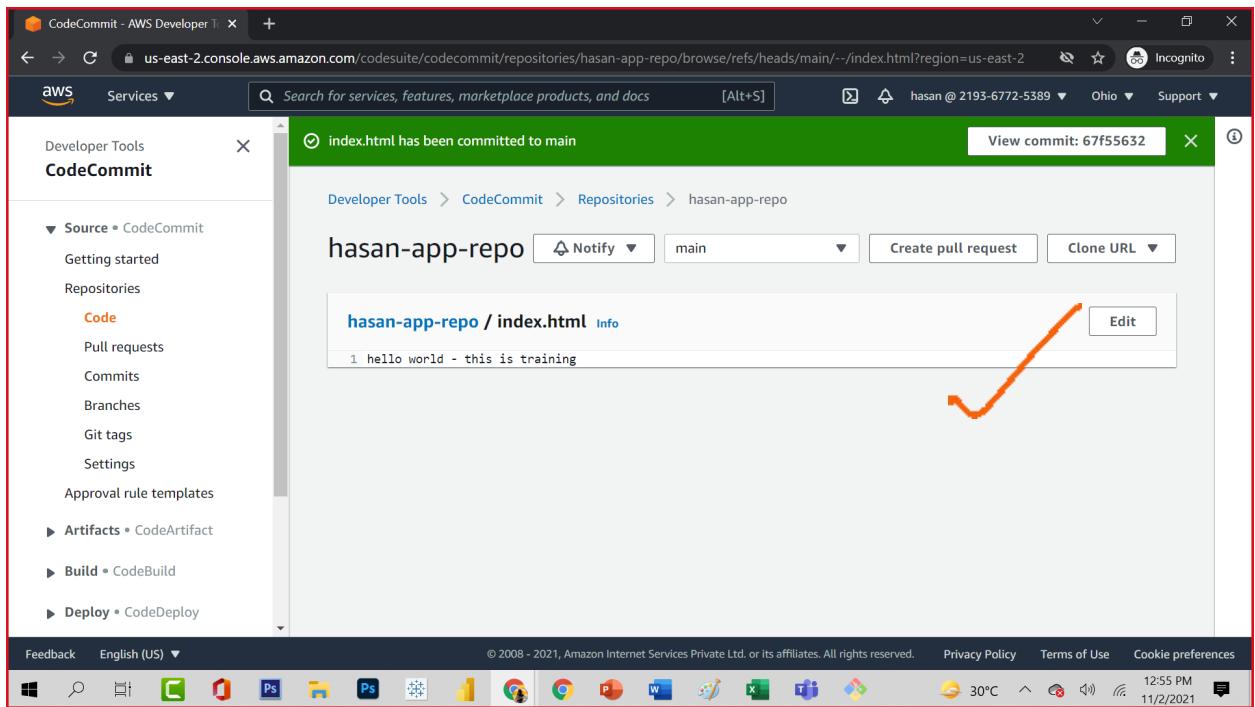
Feedback English (US)

Privacy Policy Terms of Use Cookie preferences

12:51 PM 11/2/2021



Upload a file (index.html)



A screenshot of the AWS CodeCommit console. The left sidebar shows navigation options like Source, Code, Artifacts, Build, and Deploy. The main content area shows a file named 'index.html' has been committed to the 'main' branch of the repository 'hasan-app-repo'. The file content is: '1 hello world - this is training'. A large red handwritten note is overlaid on the screen, reading: 'Now i will create a notification which will get emails as soon as there is any commit'.

A screenshot of the AWS CodeCommit console showing the 'Notifications' tab in the repository settings for 'hasan-app-repo'. The tab bar includes General, Notifications, Triggers, Repository tags, and Amazon CodeGuru Reviewer. The Notifications section shows a table with one row: 'Notification rule' (empty), 'Created' (empty), 'Sending notifications' (empty), and 'Notifying events' (empty). A red circle highlights the 'Notifications' tab. Another red circle highlights the 'Create notification rule' button.

Go to notification rules -> create notification rules

Notification name: anyname

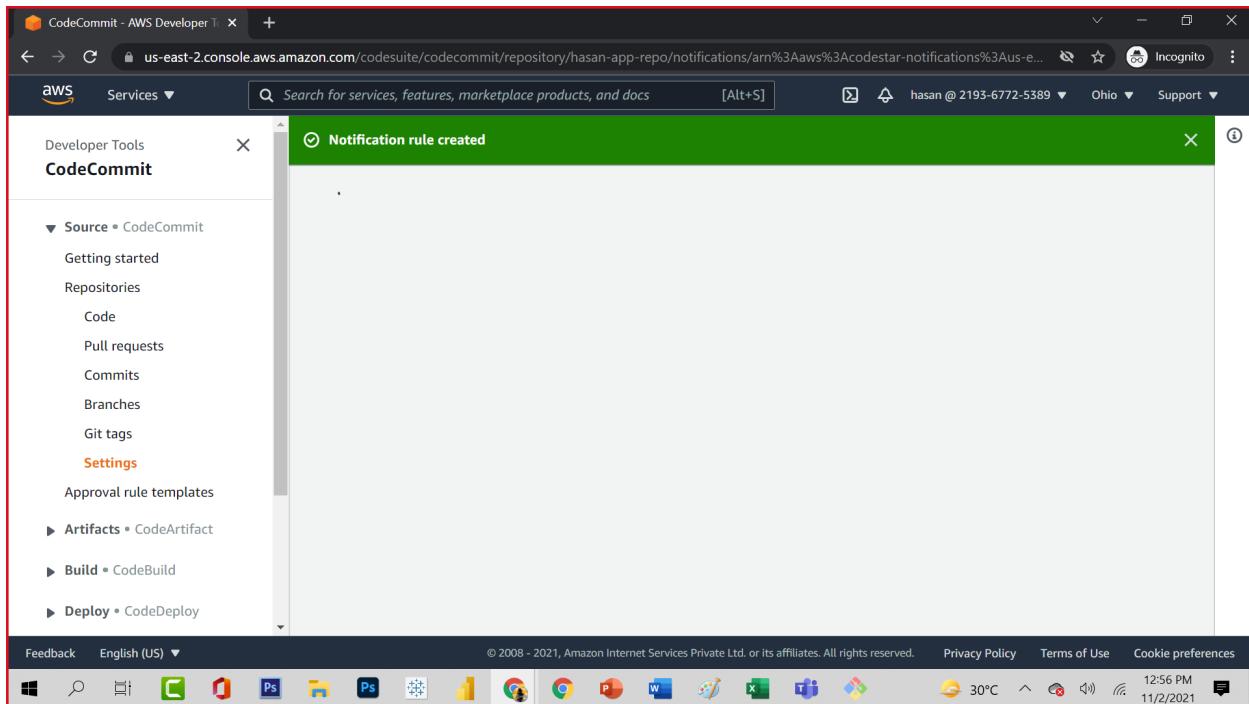
Details: full

Events : select all

Target : create a sns target

Choose the target

submit



The screenshot shows the AWS CodeCommit console interface. On the left, there is a navigation sidebar with the following structure:

- Developer Tools
- CodeCommit**
- Source • CodeCommit
  - Getting started
  - Repositories**
  - Approval rule templates
- Artifacts • CodeArtifact
- Build • CodeBuild
- Deploy • CodeDeploy
- Pipeline • CodePipeline
- Settings
- Go to resource
- Feedback

The main content area displays a table of repositories:

Name	Description	Last modified	Clone URL
hasan-app-repo	//	2 minutes ago	HTTPS SSH HTTPS (GRC)
helloworld	testtesttest	23 days ago	HTTPS SSH HTTPS (GRC)
mynode-js-app2	2nd repo	23 days ago	HTTPS SSH HTTPS (GRC)
mynode-js-app1	new code repo	24 days ago	HTTPS SSH HTTPS (GRC)
mynode.js.repo		25 days ago	HTTPS SSH

At the bottom of the page, there is a footer bar with links to Feedback, English (US), Privacy Policy, Terms of Use, and Cookie preferences. The system status bar indicates it's 30°C at 12:57 PM on 11/2/2021.

The screenshot shows the AWS CodeCommit console interface for the 'hasan-app-repo' repository. The left sidebar has the following structure:

- Developer Tools
- CodeCommit**
- Source • CodeCommit
  - Getting started
  - Repositories
    - Code**
    - Pull requests
    - Commits
    - Branches
    - Git tags
    - Settings** (circled in red)
    - Approval rule templates
  - Artifacts • CodeArtifact
  - Build • CodeBuild
  - Deploy • CodeDeploy

The main content area shows the repository details for 'hasan-app-repo':

**hasan-app-repo**

**hasan-app-repo** Info

Name: index.html

Add file ▾

At the bottom of the page, there is a footer bar with links to Feedback, English (US), Privacy Policy, Terms of Use, and Cookie preferences. The system status bar indicates it's 30°C at 12:58 PM on 11/2/2021.

The screenshot shows the AWS CodeCommit console. The left sidebar is expanded, showing the 'CodeCommit' section under 'Source'. The 'Settings' option is selected. The main content area shows the 'hasan-app-repo' repository's settings. The 'Triggers' tab is highlighted with a red circle. Below it, the 'Triggers' table has columns for Name, Events, Branches, and Service. A message at the bottom says 'No results' and 'There are no results to display.'

Developer Tools > CodeCommit > Repositories > hasan-app-repo > Settings

## hasan-app-repo

General Notifications Triggers Repository tags Amazon CodeGuru Reviewer

### Triggers

Name	Events	Branches	Service
No results			

There are no results to display.

https://us-east-2.console.aws.amazon.com/codesuite/codecommit/repositories/hasan-app-repo/triggers?region=us-east-2 © 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

The screenshot shows the 'Trigger details' page for creating a new trigger. The 'Trigger name' field contains 'demotrigger'. The 'Events' dropdown is open, with a red circle highlighting the 'All repository events' option. In the 'Branch names - optional' section, the 'main' branch is listed. The 'Service details' section shows 'Amazon SNS' selected. The bottom of the screen shows the standard AWS navigation bar.

Trigger details

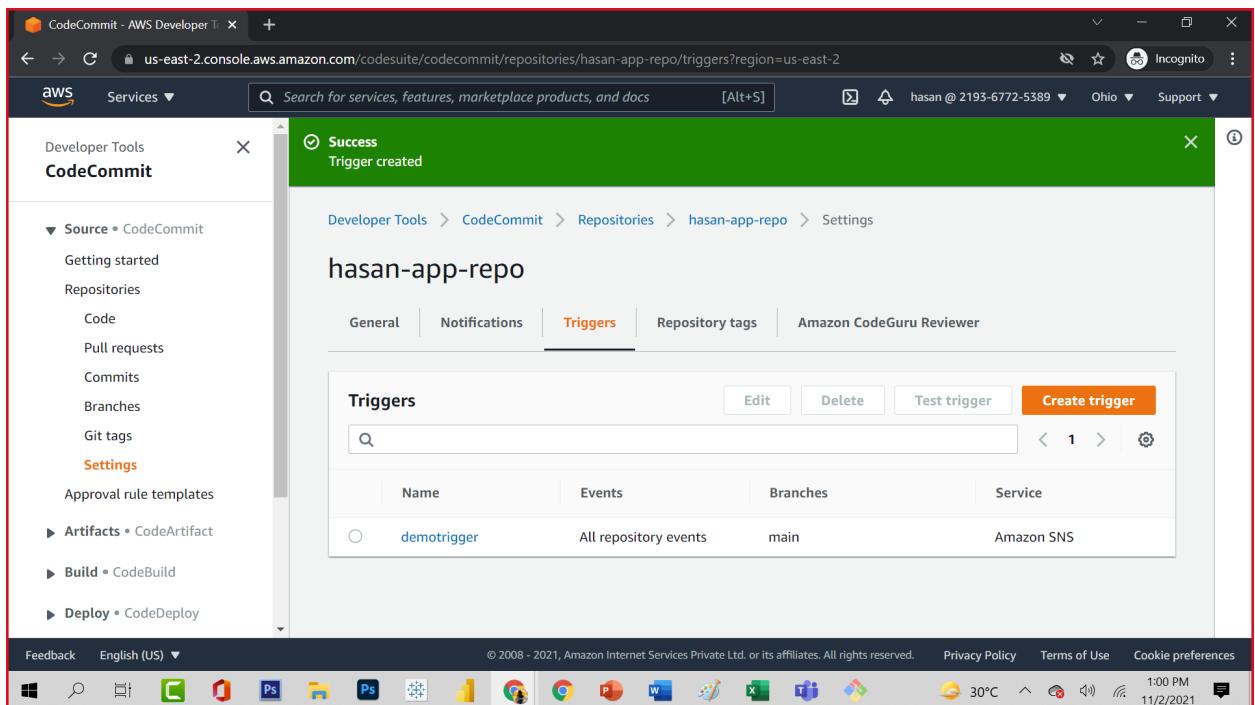
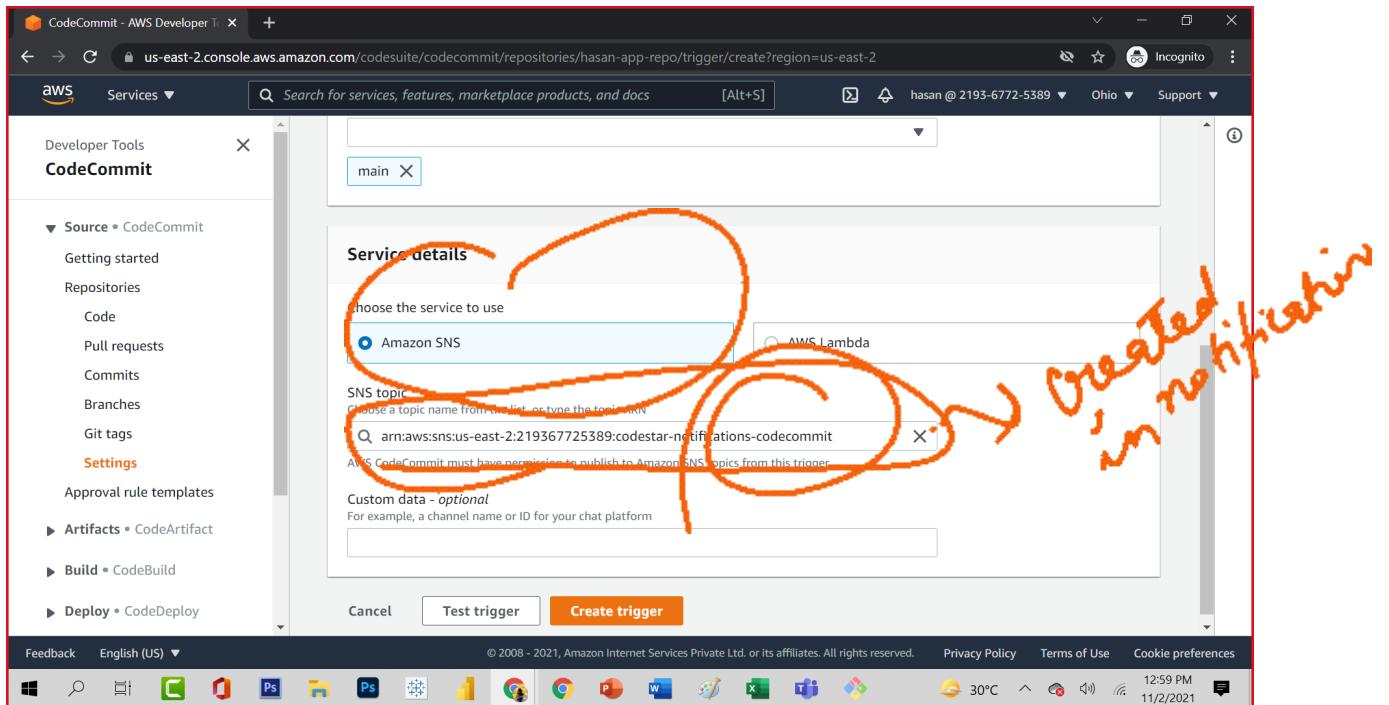
Trigger name: demotrigger

Events: All repository events

Branch names - optional: main

Service details: Choose the service to use: Amazon SNS

Feedback English (US) © 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences



Now lets automate the process

The screenshot shows the AWS CodeCommit console with a search bar at the top containing 'iam'. The search results are displayed under two main sections: 'Services' and 'Features'. In the 'Services' section, there is one result: 'IAM' (Manage access to AWS resources). In the 'Features' section, there are three results: 'Groups' (IAM feature), 'Roles' (IAM feature), and 'Policies' (IAM feature). To the right of the search results, there is a sidebar with a green header titled 'Trigger' and a 'Create trigger' button. Below the sidebar, there are sections for 'Service' and 'Amazon SNS'.

Click on the user

The screenshot shows the IAM Management Console with a search bar at the top containing 'Search for services, features, marketplace products, and docs'. The left sidebar shows the navigation menu for Identity and Access Management (IAM), with 'Users' selected. The main content area displays the 'Summary' page for the user 'hasan'. The summary includes fields for User ARN, Path, and Creation time. Below these, there are tabs for Permissions, Groups, Tags, Security credentials, and Access Advisor. The 'Permissions' tab is active, showing a section for 'Permissions policies' which is currently empty. A blue info box is visible in the center of the screen, stating: 'New feature to generate a policy based on CloudTrail events. AWS uses your CloudTrail events to identify the services and actions used and generate a least privileged policy that you can attach to this user.' The bottom of the screen shows the Windows taskbar with various pinned icons.

IAM Management Console

console.aws.amazon.com/iam/home#/users/hasan?section=security\_credentials

Services ▾

Search for services, features, marketplace products, and docs [Alt+S]

hasan @ 2193-6772-5389 Global Support

New feature to generate a policy based on CloudTrail events.

AWS uses your CloudTrail events to identify the services and actions used and generate a least privileged policy that you can attach to this user.

Identity and Access Management (IAM)

Dashboard

Access management

User groups

**Users**

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Analyzers

Settings

Credential report

Users > hasan

## Summary

User ARN: arn:aws:iam::219367725389:user/hasan

Path: /

Creation time: 2021-11-02 12:47 UTC+0530

Permissions Groups Tags Security credentials Access Advisor

### Sign-in credentials

Summary: • Console sign-in link: https://219367725389.signin.aws.amazon.com/console

Console password: Enabled (last signed in Today) | Manage

Assigned MFA device: Not assigned | Manage

Feedback English (US) ▾

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1:06 PM 11/2/2021

This screenshot shows the AWS IAM Management Console. The left sidebar is titled 'Identity and Access Management (IAM)' and includes links for Dashboard, Access management, User groups, Users (which is selected), Roles, Policies, Identity providers, Account settings, Access reports, Access analyzer, Archive rules, Analyzers, Settings, and Credential report. The main content area is titled 'Summary' for the user 'hasan'. It displays the User ARN (arn:aws:iam::219367725389:user/hasan), Path (/), and Creation time (2021-11-02 12:47 UTC+0530). Below this, there are tabs for Permissions, Groups, Tags, Security credentials (which is selected), and Access Advisor. Under 'Security credentials', it shows 'Sign-in credentials' with a summary link and a 'Console password' section indicating it is enabled. At the bottom, there are links for Feedback, English (US) language, and standard footer links for Privacy Policy, Terms of Use, and Cookie preferences.

IAM Management Console

console.aws.amazon.com/iam/home#/users/hasan?section=security\_credentials

Services ▾

Search for services, features, marketplace products, and docs [Alt+S]

hasan @ 2193-6772-5389 Global Support

Upload SSH public key

SSH key ID	Uploaded	Status
No results		

**HTTPS Git credentials for AWS CodeCommit**

Generate a user name and password you can use to authenticate HTTPS connections to AWS CodeCommit repositories. You can generate and store up to 2 sets of credentials. [Learn more](#)

**Generate credentials**

No credentials have been generated.

**Credentials for Amazon Keyspaces (for Apache Cassandra)**

Generate a user name and password you can use to authenticate to Amazon Keyspaces. You can generate and store up to 2 sets of credentials for Amazon Keyspaces. [Learn more](#)

**Generate credentials**

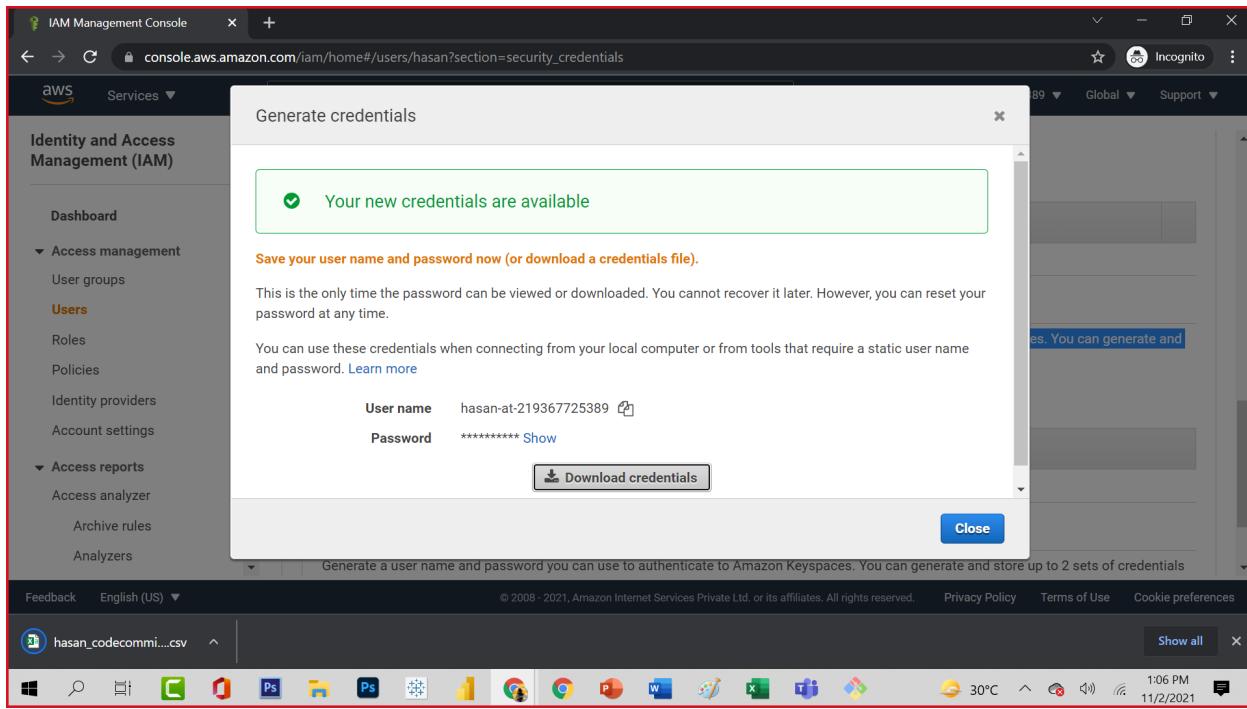
No credentials have been generated.

Feedback English (US) ▾

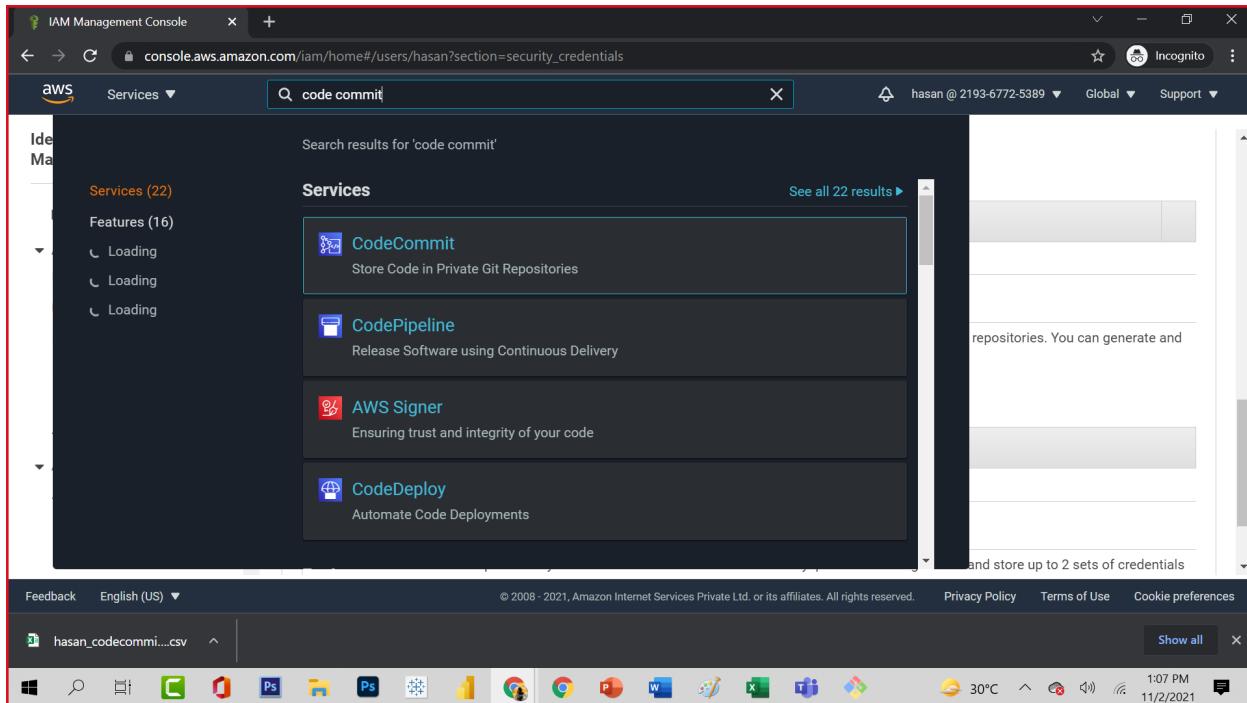
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1:06 PM 11/2/2021

This screenshot shows the 'Security credentials' page for the user 'hasan' in the AWS IAM Management Console. The left sidebar is identical to the previous screenshot. The main content area includes a 'Upload SSH public key' button and a table for managing SSH keys. Below this, there are sections for 'HTTPS Git credentials for AWS CodeCommit' and 'Credentials for Amazon Keyspaces (for Apache Cassandra)'. Both sections include a 'Generate credentials' button and a note stating 'No credentials have been generated.' At the bottom, there are links for Feedback, English (US) language, and standard footer links for Privacy Policy, Terms of Use, and Cookie preferences.



Go back to code commit



The screenshot shows the AWS CodeCommit console interface. On the left, there is a navigation sidebar with the following structure:

- Developer Tools
- CodeCommit**
- Source • CodeCommit
  - Getting started
  - Repositories**
  - Approval rule templates
- Artifacts • CodeArtifact
- Build • CodeBuild
- Deploy • CodeDeploy
- Pipeline • CodePipeline
- Settings

Below the sidebar, there is a search bar and a "Create repository" button. The main area displays a table of repositories:

Name	Description	Last modified	Clone URL
hasan-app-repo	//	12 minutes ago	HTTPS SSH HTTPS (GRC)
helloworld	testtesttest	23 days ago	HTTPS SSH HTTPS (GRC)
mynode-js-app2	2nd repo	23 days ago	HTTPS SSH HTTPS (GRC)
mynode-js-app1	new code repo	24 days ago	HTTPS SSH HTTPS (GRC)
mynode-js-app	-	25 days ago	HTTPS SSH HTTPS (GRC)

At the bottom of the page, there are links for Privacy Policy, Terms of Use, and Cookie preferences. The status bar at the bottom right shows the date and time: 11/2/2021, 1:07 PM.

The screenshot shows the AWS CodeCommit console interface, specifically for the "hasan-app-repo" repository. The navigation sidebar is identical to the first screenshot. The main area shows the repository details:

**hasan-app-repo**

Info

Name: index.html

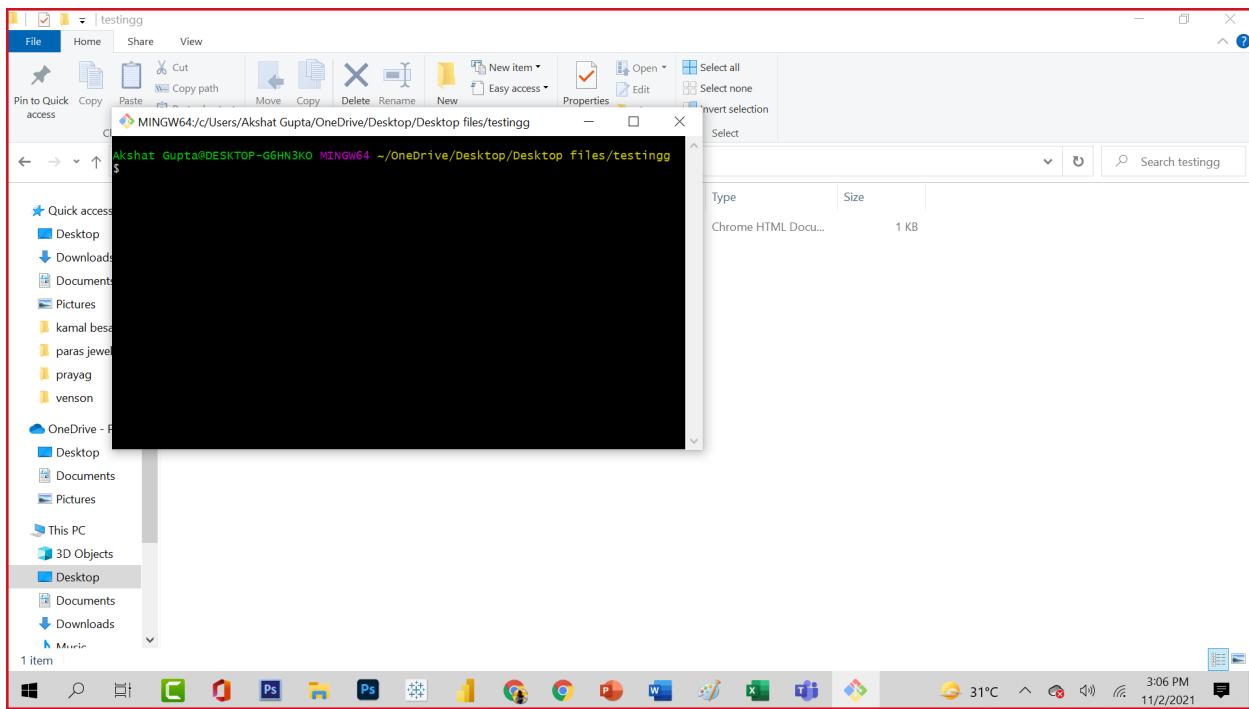
Add file ▾

At the bottom of the page, there are links for Privacy Policy, Terms of Use, and Cookie preferences. The status bar at the bottom right shows the date and time: 11/2/2021, 1:08 PM.

The screenshot shows the AWS CodeCommit console. The left sidebar is collapsed, and the main area displays the 'hasan-app-repo' repository. At the top right, there are buttons for 'Notify', 'main', 'Create pull request', and 'Clone URL'. A context menu is open over the 'Clone URL' button, listing options: 'Clone HTTPS', 'Clone SSH', 'Clone HTTPS (GRC)', and 'Connection steps'. Below this, a table shows a single file entry: 'Name' (index.html) and a preview icon (document). The bottom of the screen shows the Windows taskbar with various pinned icons.

This screenshot is identical to the one above, but it includes a prominent green notification bar at the top stating 'Copied https://git-codecommit.us-east-2.amazonaws.com/v1/repos/hasan-app-repo'. The rest of the interface and taskbar are the same.

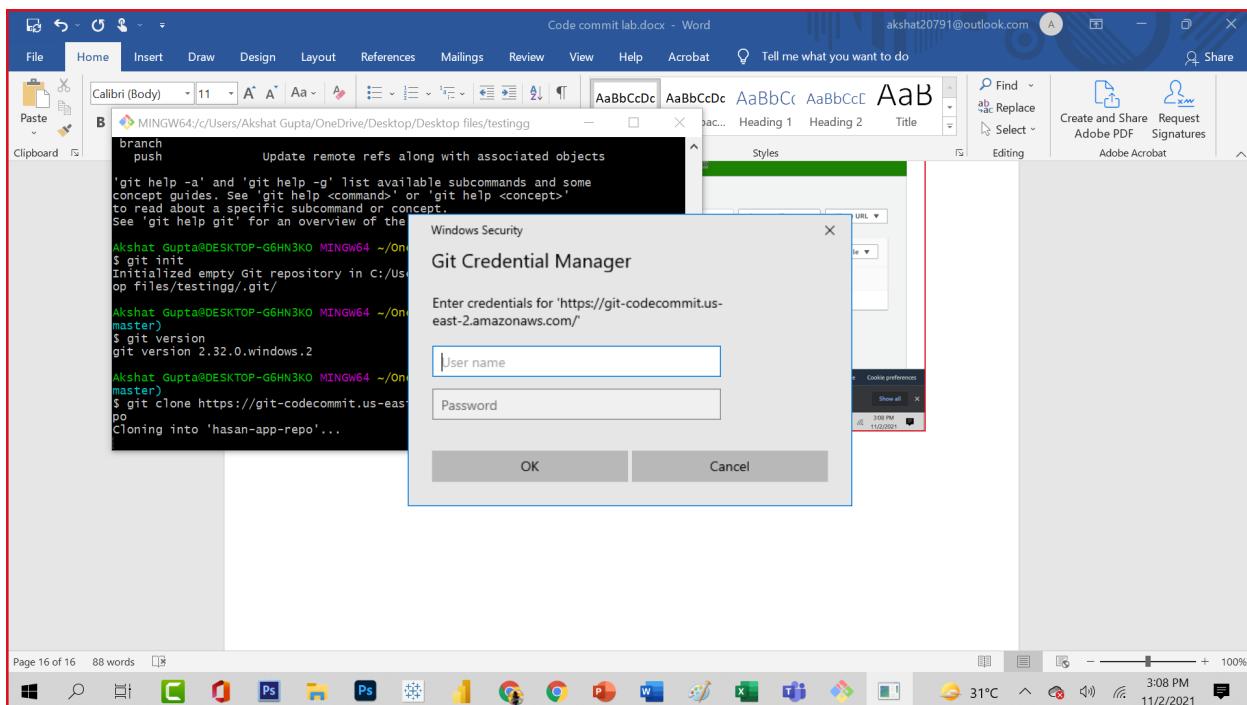
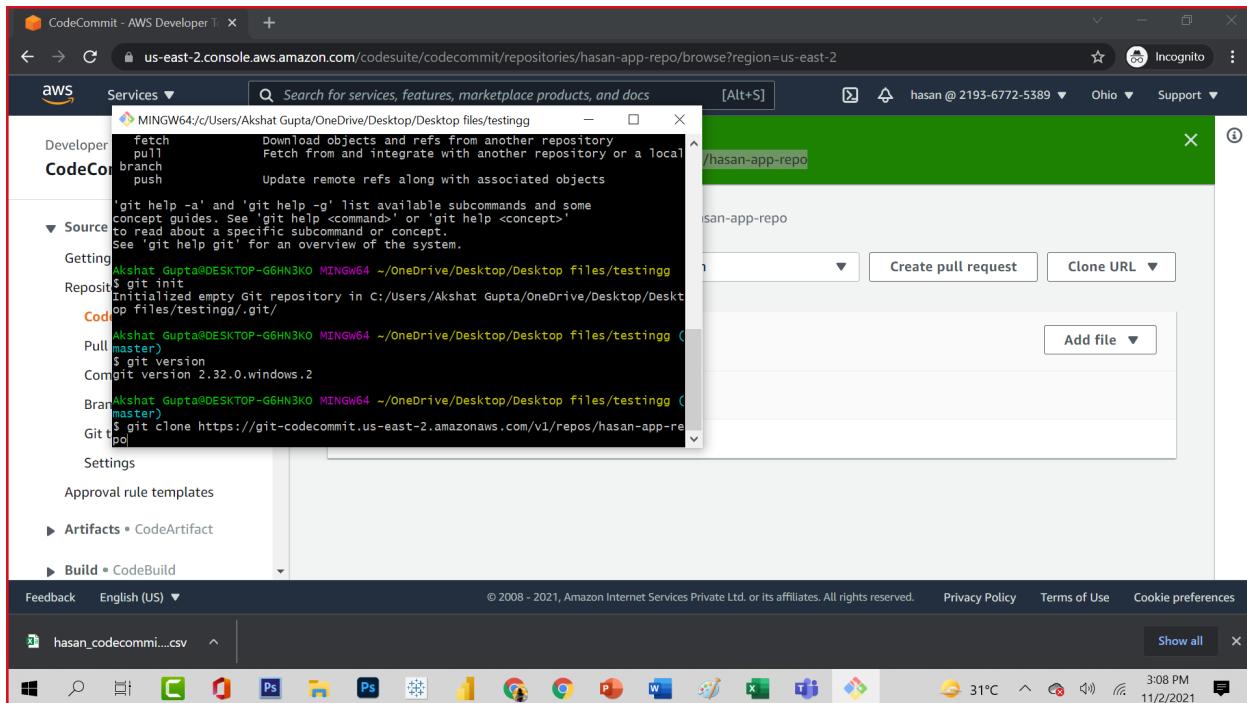
## Open gitbash in a folder

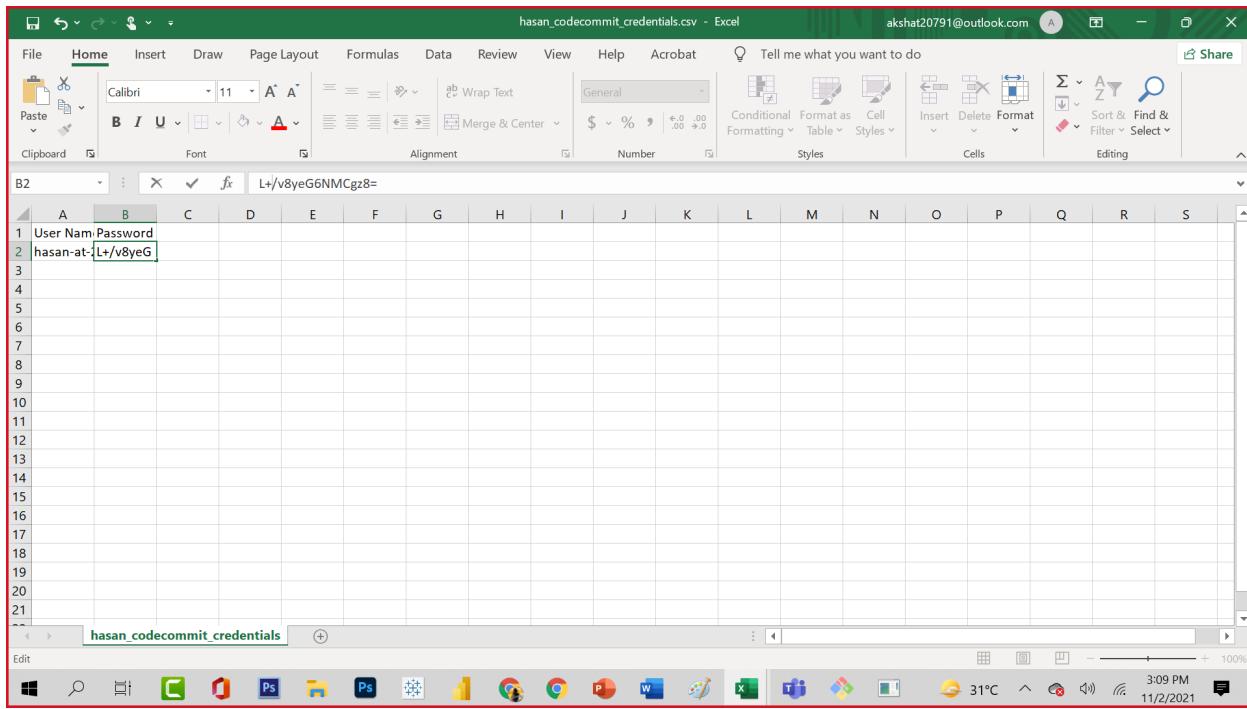


Git init

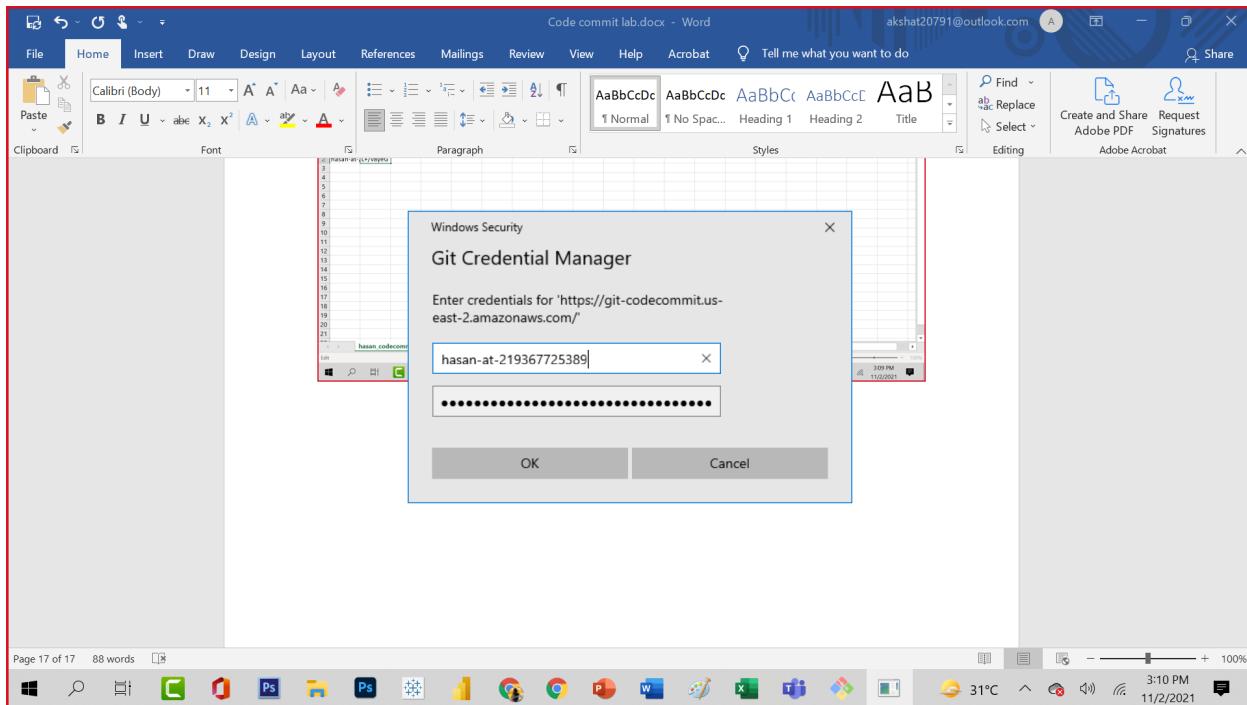
Git --version

Git clone <<link>>



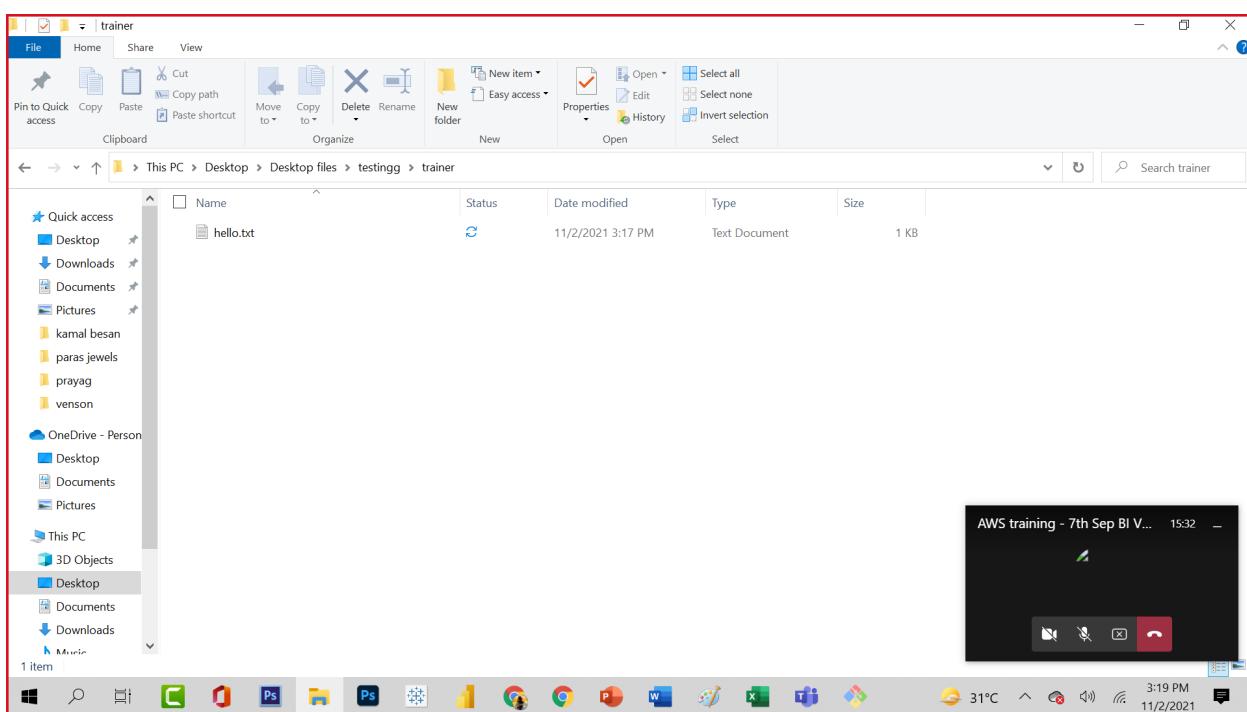
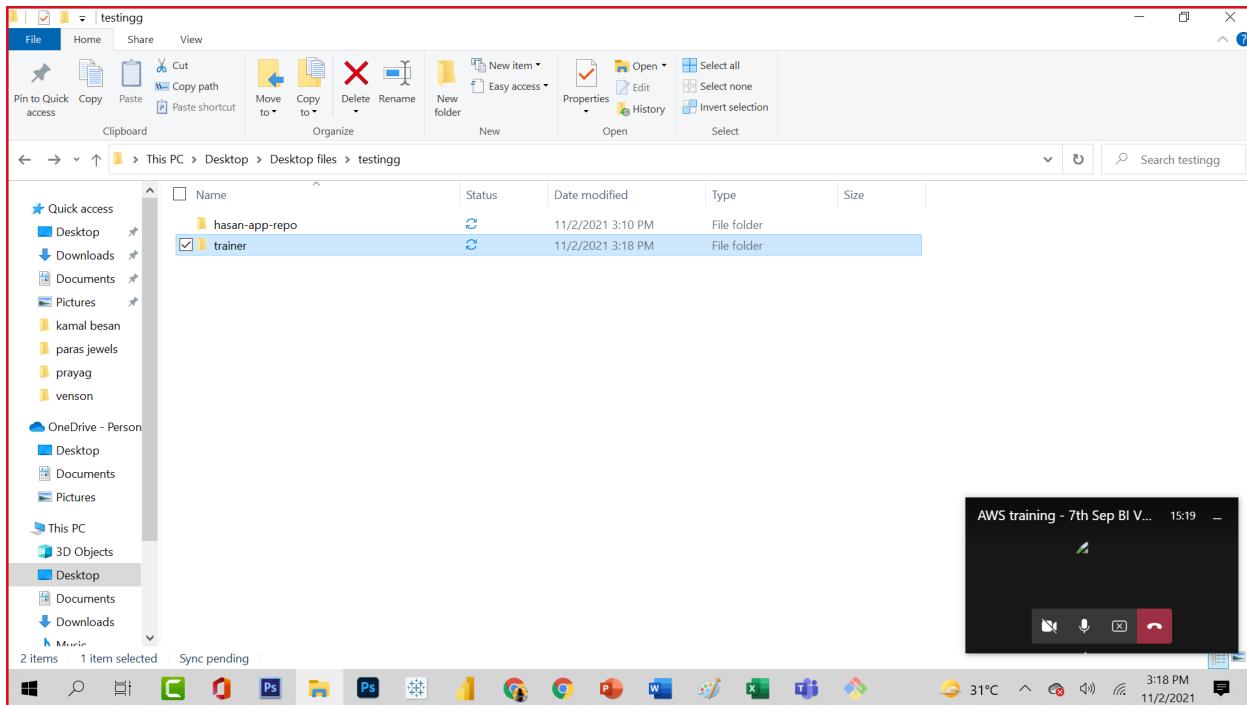


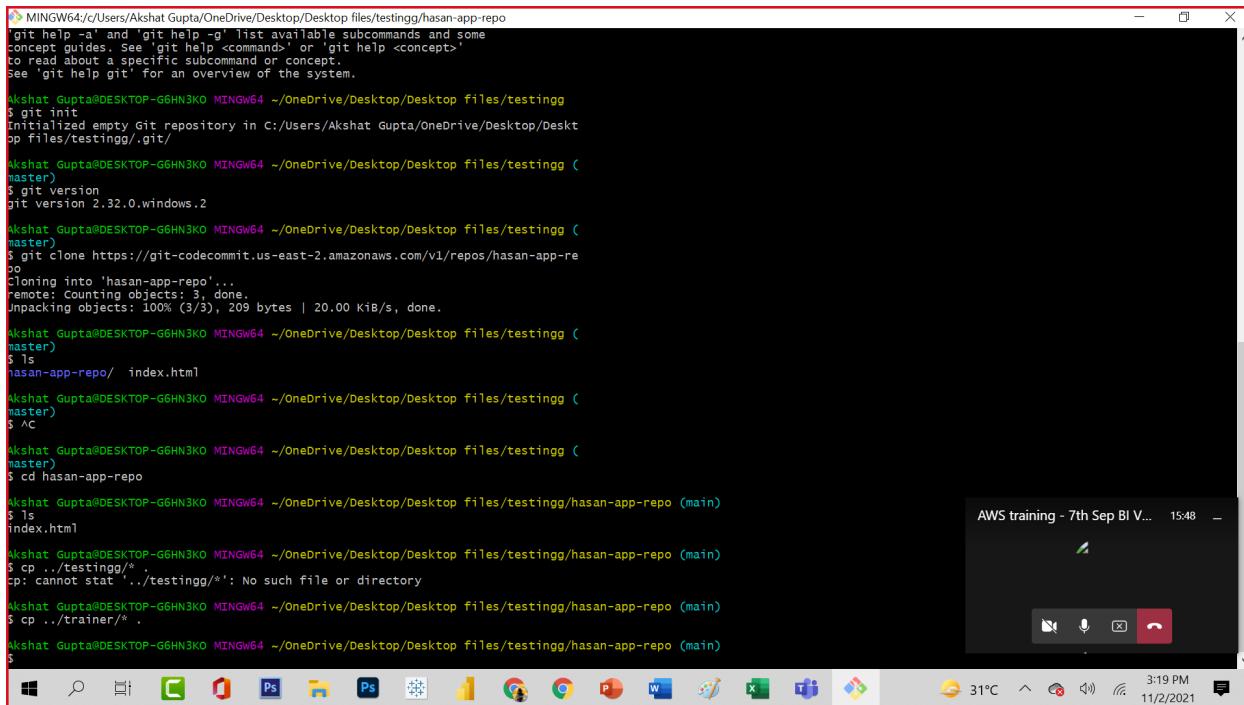
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	User Name	Password																	
2	hasan-at-1L+v8ye6																		
3																			
4																			
5																			
6																			
7																			
8																			
9																			
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16																			
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18																			
19																			
20																			
21																			



Cd hasan-app-repo (name of the repo)

Ls





```
MINGW64:/c/Users/Akshat Gupta/OneDrive/Desktop/Desktop files/testingg/hasan-app-repo
$ git help -a and 'git help -a' list available subcommands and some
concept guides. See 'git help <command>' or 'git help <concept>'
to read about a specific subcommand or concept.
See 'git help git' for an overview of the system.

Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg
$ git init
Initialized empty Git repository in C:/Users/Akshat Gupta/OneDrive/Desktop/Desktop files/testingg/.git/
Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg (
master)
$ git version
git version 2.32.0.windows.2

Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg (
master)
$ git clone https://git-codecommit.us-east-2.amazonaws.com/v1/repos/hasan-app-repo
Cloning into 'hasan-app-repo'...
remote: Counting objects: 3, done.
Unpacking objects: 100% (3/3), 209 bytes | 20.00 KiB/s, done.

Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg (
master)
$ ls
hasan-app-repo/ index.html

Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg (
master)
$ ^C

Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg (
master)
$ cd hasan-app-repo
Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg/hasan-app-repo (main)
$ cp index.html .
Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg/hasan-app-repo (main)
$ cp ../* .
cp: cannot stat '../testingg/*': No such file or directory

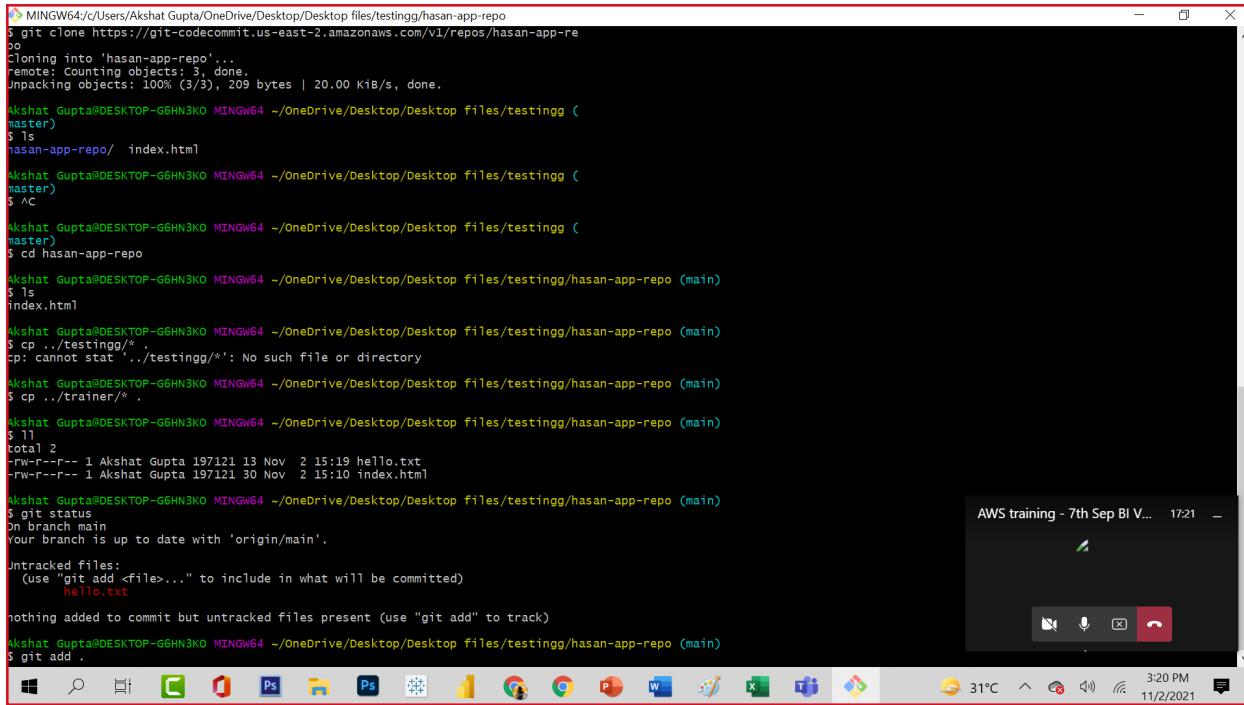
Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg/hasan-app-repo (main)
$ cp ../* .
Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg/hasan-app-repo (main)
$
```

Cp ../<< folder>> /\* .

L1

Git status

Git add .



```
MINGW64:/c/Users/Akshat Gupta/OneDrive/Desktop/Desktop files/testingg/hasan-app-repo
$ git clone https://git-codecommit.us-east-2.amazonaws.com/v1/repos/hasan-app-repo
Cloning into 'hasan-app-repo'...
remote: Counting objects: 3, done.
Unpacking objects: 100% (3/3), 209 bytes | 20.00 KiB/s, done.

Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg (
master)
$ ls
hasan-app-repo/ index.html

Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg (
master)
$ ^C

Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg (
master)
$ cd hasan-app-repo
Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg/hasan-app-repo (main)
$ ls
index.html

Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg/hasan-app-repo (main)
$ cp ../* .
cp: cannot stat '../testingg/*': No such file or directory

Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg/hasan-app-repo (main)
$ cp ../* .
Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg/hasan-app-repo (main)
$ ls
total 2
-rw-r--r-- 1 Akshat Gupta 197121 13 Nov 2 15:19 hello.txt
-rw-r--r-- 1 Akshat Gupta 197121 30 Nov 2 15:10 index.html

Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg/hasan-app-repo (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    hello.txt

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

Akshat Gupta@DESKTOP-G6HN3KO MINGW64 ~/OneDrive/Desktop/Desktop files/testingg/hasan-app-repo (main)
$ git add .
```

Git status

Git commit -m "first commit"

Git push