

Assignment Azure DevOps – Day 24

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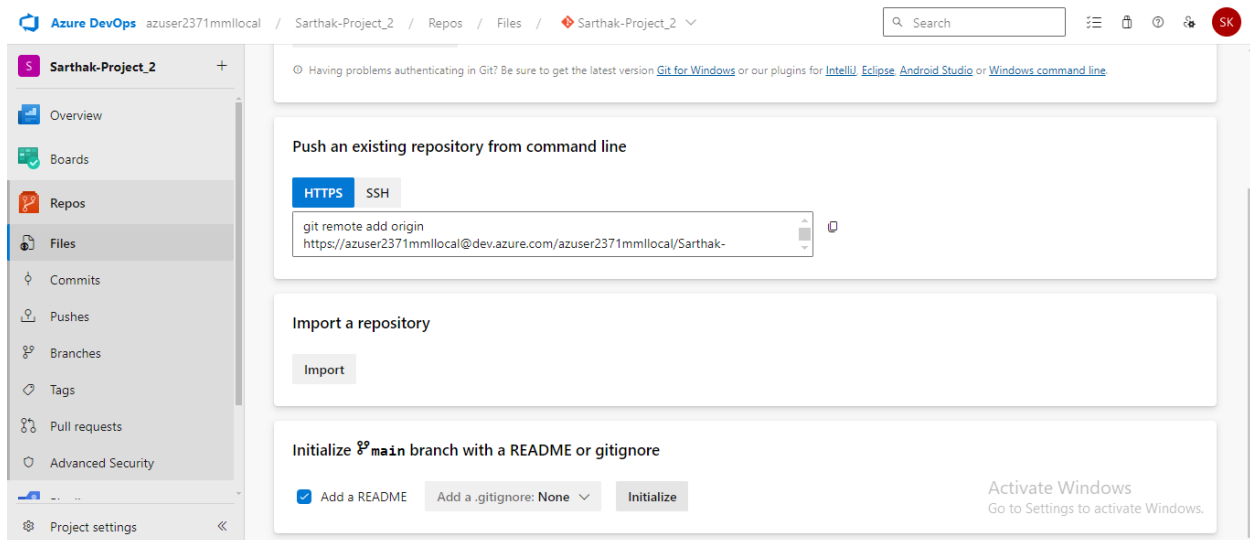
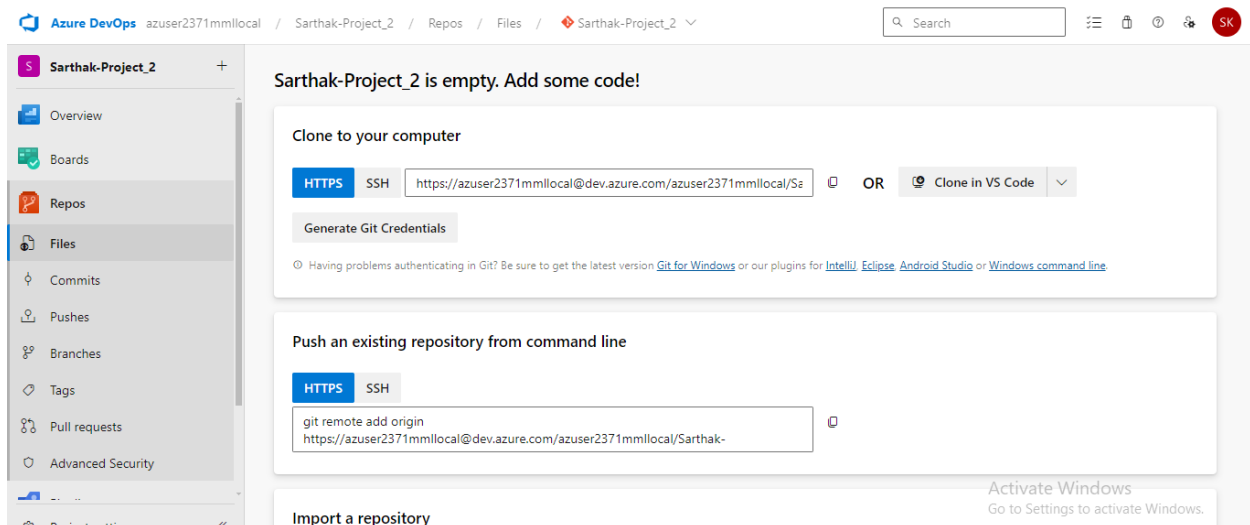
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12/12/2024 (Thursday)

Getting used to Azure DevOps

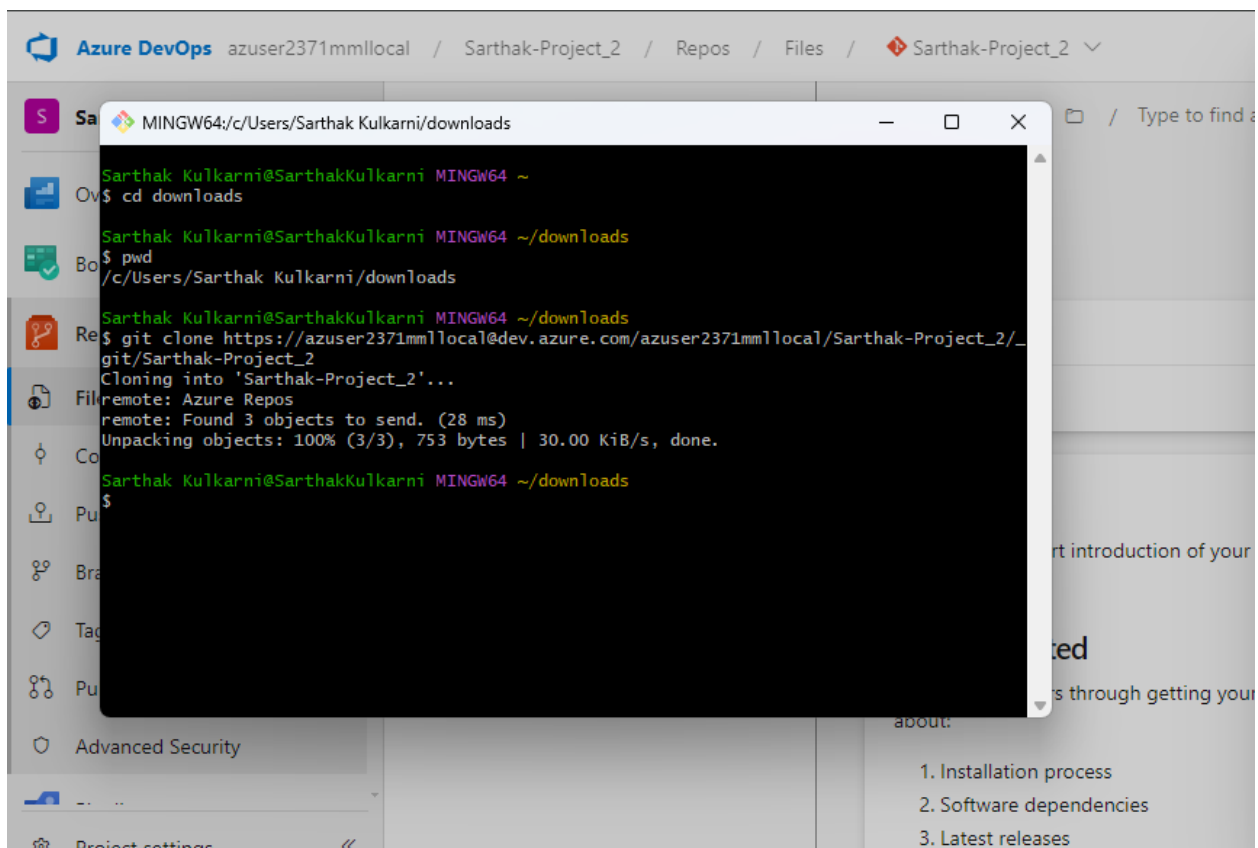
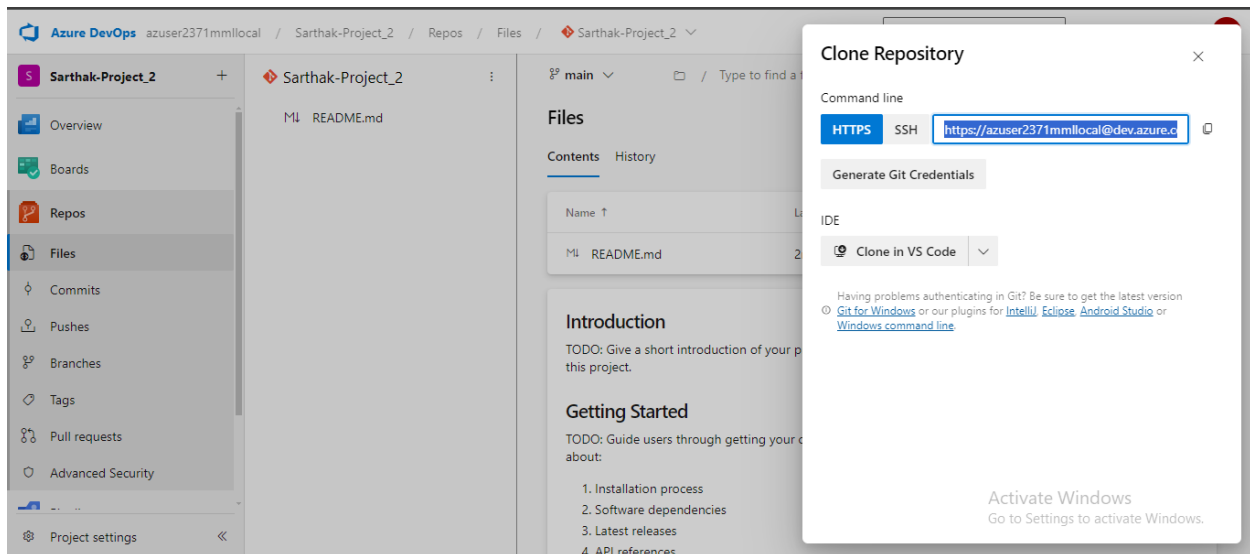
1. Creating New Repo

- In left tab go in Repo → Files
- In bottom click on Initialize



2. Clone it into your local file through GitBash

- Click on Clone and copy command line https
- Open Gitbash and go into the directory in which you want to clone
- Type “git clone (command_line_https_url)”



3. Use touch, add, commit and push command in gitbash

- Use **touch** command to create a file1 in repo in local system
- Use **add** command to add all untracked files
- Use **commit** for all the previously added files to be saved
- Use **push** to update all the changes on drive

```
Sarthak Kulkarni@SarthakKulkarni MINGW64 ~/downloads/Sarthak-Project_2 (main)
$ touch file1

Sarthak Kulkarni@SarthakKulkarni MINGW64 ~/downloads/Sarthak-Project_2 (main)
$ touch file2.py

Sarthak Kulkarni@SarthakKulkarni MINGW64 ~/downloads/Sarthak-Project_2 (main)
$ git add file1 file2.py

Sarthak Kulkarni@SarthakKulkarni MINGW64 ~/downloads/Sarthak-Project_2 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

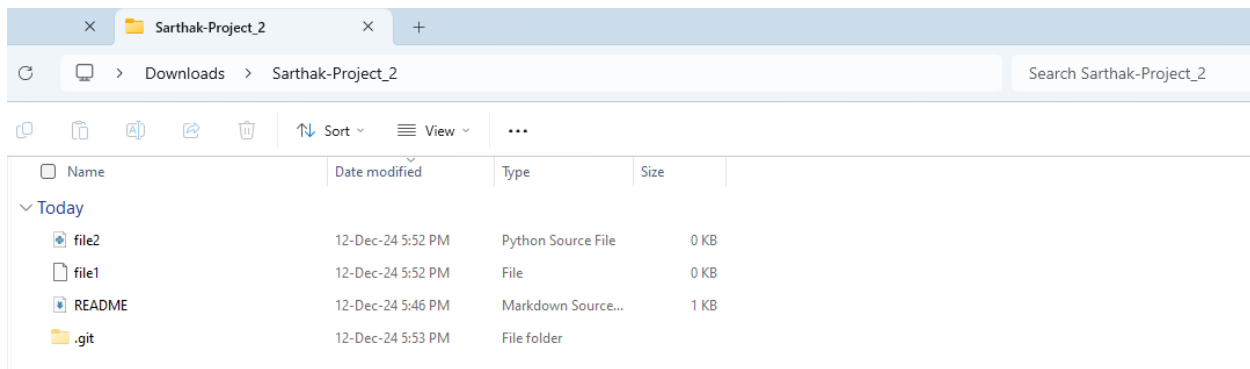
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   file1
        new file:   file2.py

Sarthak Kulkarni@SarthakKulkarni MINGW64 ~/downloads/Sarthak-Project_2 (main)
$ git commit -m "Adding some new files"
[main ca2d178] Adding some new files
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 file1
 create mode 100644 file2.py

Sarthak Kulkarni@SarthakKulkarni MINGW64 ~/downloads/Sarthak-Project_2 (main)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 292 bytes | 292.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Analyzing objects... (3/3) (18 ms)
remote: Validating commits... (1/1) done (12 ms)
remote: Storing packfile... done (27 ms)
remote: Storing index... done (45 ms)
To https://dev.azure.com/azuser2371mm1local/Sarthak-Project_2/_git/Sarthak-Project_2
   b146161..ca2d178  main -> main

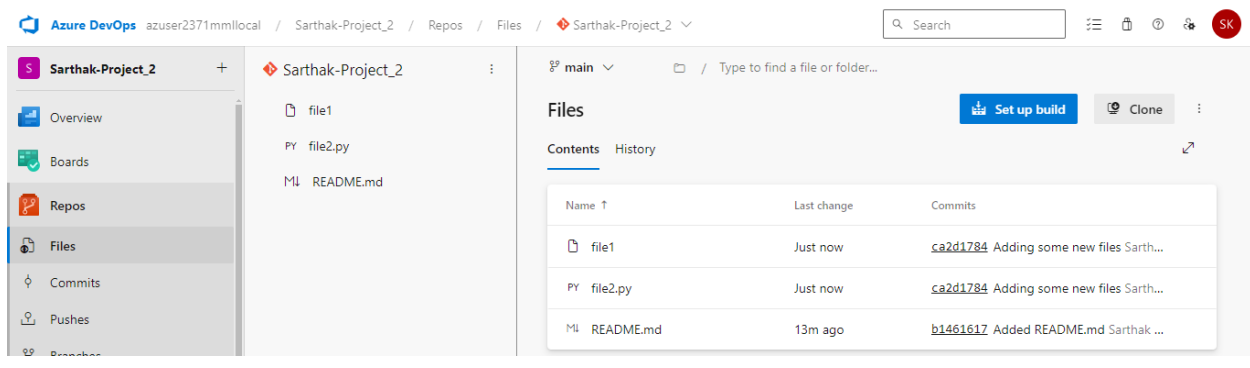
Sarthak Kulkarni@SarthakKulkarni MINGW64 ~/downloads/Sarthak-Project_2 (main)
$ |
```

Activate Windows
Go to Settings to activate Windows.



The screenshot shows a Windows File Explorer window with the address bar set to 'Downloads > Sarthak-Project_2'. The file list includes:

Name	Date modified	Type	Size
file2	12-Dec-24 5:52 PM	Python Source File	0 KB
file1	12-Dec-24 5:52 PM	File	0 KB
README	12-Dec-24 5:46 PM	Markdown Source...	1 KB
.git	12-Dec-24 5:53 PM	File folder	

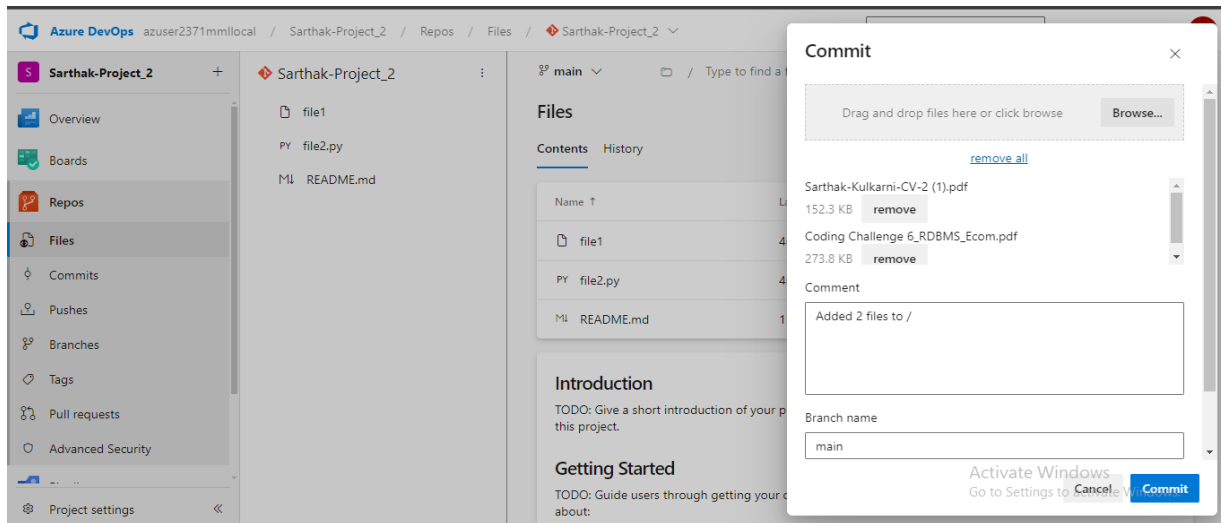


The screenshot shows the Azure DevOps web interface for the 'Sarthak-Project_2' repository. The 'Files' view displays the commit history for the files:

Name	Last change	Commits
file1	Just now	ca2d1784 Adding some new files Sarth...
file2.py	Just now	ca2d1784 Adding some new files Sarth...
README.md	13m ago	b1461617 Added README.md Sarthak ...

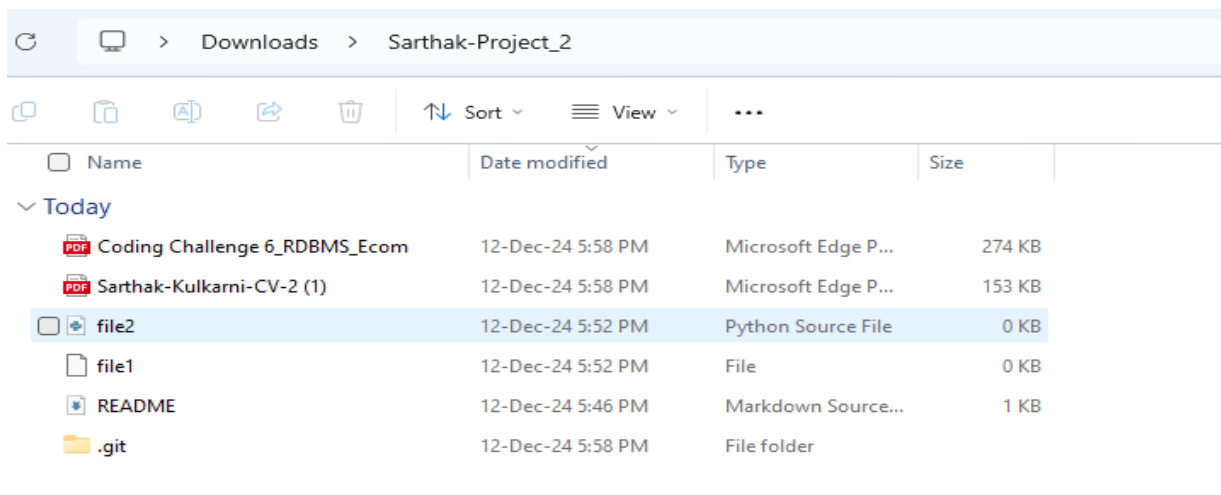
4. Use Pull request to update your local system's repo

- Upload some files into Azure Repo
- Use command “git pull” to load all the changes into your local system



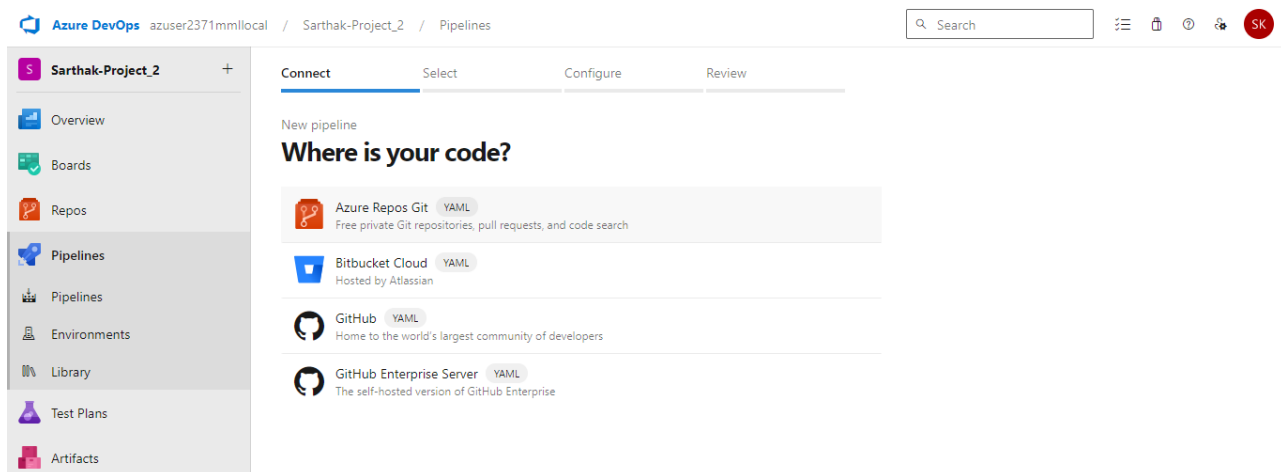
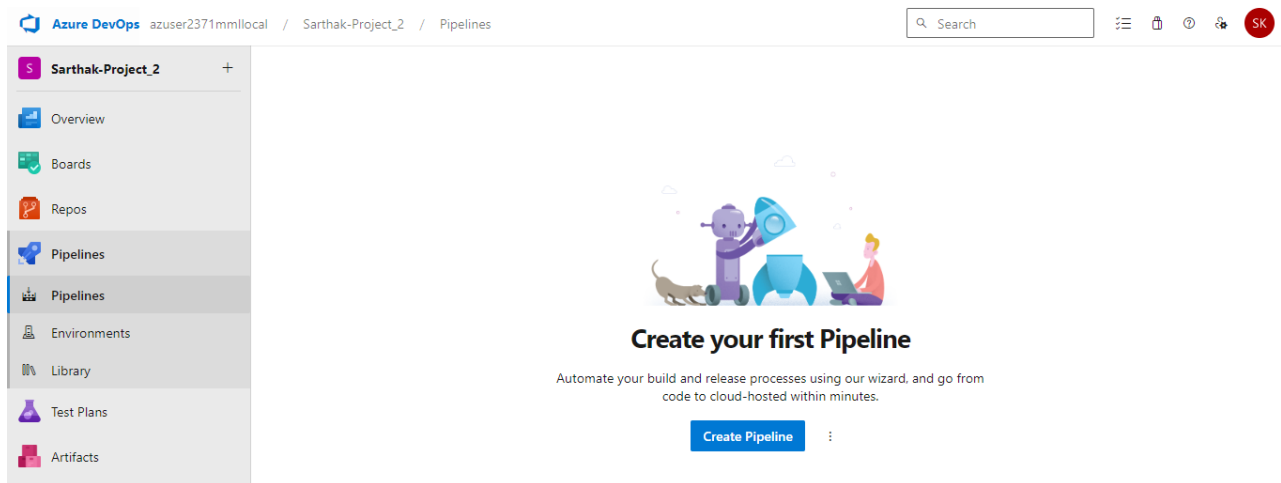
```
Sarthak Kulkarni@SarthakKulkarni MINGW64 ~/downloads/Sarthak-Project_2 (main)
$ git pull
remote: Azure Repos
remote: Found 4 objects to send. (32 ms)
Unpacking objects: 100% (4/4), 361.70 KiB | 7.70 MiB/s, done.
From https://dev.azure.com/azuser2371mmlocal/Sarthak-Project_2/_git/Sarthak-Project_2
   ca2d178..804ca14  main       -> origin/main
Updating ca2d178..804ca14
Fast-forward
 Coding Challenge 6_RDBMS_Ecom.pdf | Bin 0 -> 280366 bytes
 Sarthak-Kulkarni-CV-2 (1).pdf     | Bin 0 -> 155970 bytes
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Coding Challenge 6_RDBMS_Ecom.pdf
 create mode 100644 Sarthak-Kulkarni-CV-2 (1).pdf

Sarthak Kulkarni@SarthakKulkarni MINGW64 ~/downloads/Sarthak-Project_2 (main)
$
```



5. Create a sample Pipeline

- In left tab click on **Pipelines** and click on **Create Pipeline**.
- Click on **Azure Repos Git (YAML)** for now.
- Select your package and then choose Starter pipeline in Configuration for now.
- Now review the pipeline and click on **Save and run**.
- Keep your desired setting and click on **Save and run**.
- Pipeline is successfully created and ran.
- For details view **Job**.



Azure DevOps azuser2371mmlocal / Sarthak-Project_2 / Pipelines

Search

Sarthak-Project_2 +

- Overview
- Boards
- Repos
- Pipelines
- Pipelines
- Environments
- Library
- Test Plans
- Artifacts

Connect Select **Configure** Review

New pipeline

Configure your pipeline

Python package
Create and test a Python package on multiple Python versions.

Python to Linux Web App on Azure
Build your Python project and deploy it to Azure as a Linux Web App.

Starter pipeline
Start with a minimal pipeline that you can customize to build and deploy your code.

Existing Azure Pipelines YAML file
Select an Azure Pipelines YAML file in any branch of the repository.

Show more

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Search

Sarthak-Project_2 +

- Overview
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- Pipelines
- Pipelines
- Environments
- Library
- Test Plans
- Artifacts
- Project settings

Connect Select **Configure** **Review**


New pipeline

Review your pipeline YAML

Variables Save and run

Repos

- Files
- Commits
- Pushes
- Branches
- Tags
- Pull requests
- Advanced Security

pipelines.yml * 

Show assistant

```
12 steps:
13 - script: echo Hello, world!
14   displayName: 'Run a one-line script'
15
16 - script: |
17   echo Add other tasks to build, test, and deploy your project.
```

Activate Windows
Go to Settings to activate Windows.

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Search


Sarthak-Project_2 +

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- Library
- Test Plans
- Artifacts
- Project settings

Connect Select **Configure** **Review**

New pipeline

Review your pipeline YAML

Sarthak-Project_2 / azure-pipelines.yml * 

```
1 # Starter pipeline
2 # Start with a minimal pipeline that you can customize to build and
3 # Add steps that build, run tests, deploy, and more:
4 # https://aka.ms/yaml
5
6 trigger:
7   - main
8
9 pool:
10  vmImage: ubuntu-latest
11
12 steps:
13 - script: echo Hello, world!
14   displayName: 'Run a one-line script'
15
16 - script: |
17   echo Add other tasks to build, test, and deploy your project.
```

Save and run

Saving will commit azure-pipelines.yml to the repository.

Commit message

Set up CI with Azure Pipelines

Optional extended description

Add an optional description...

☒ Commit directly to the main branch
☐ Create a new branch for this commit

Activate Windows
Go to Settings to activate Windows.

Save and run

#20241212.1 • Set up CI with Azure Pipelines

This run is being retained as one of 3 recent runs by main (Branch).

Summary Code Coverage

Triggered by **Sarthak Kulkarni**

Repository and version: Sarthak-Project_2, main, 8a1a10fd

Time started and elapsed: Just now, 8s

Related: 0 work items, 0 artifacts

Tests and coverage: [Get started](#)

Jobs

Name	Status	Duration
Job	Success	3s

Jobs in run #20241212.1

Jobs

Job	Status	Duration
Initialize job	Success	<1s
Checkout Sarthak-Proje...	Success	1s
Run a one-line script	Success	<1s
Run a multi-line script	Success	<1s
Post-job: Checkout Sa...	Success	<1s
Finalize Job	Success	<1s
Report build status	Success	<1s

Run a one-line script

Starting: Run a one-line script

Task: Command line

Description: Run a command line script using Bash on Linux and macOS and cmd.exe on Windows

Version: 2.246.1

Author: Microsoft Corporation

Help: <https://docs.microsoft.com/azure/devops/pipelines/tasks/utility/command-line>

Generating script.

Script contents:

```
echo Hello, world!
```

Starting Command Output

```
/usr/bin/bash --noprofile --norc /home/vsts/work/_temp/233699bc-65ab-4442-9aca-8b635640ed1f.sh
Hello, world!
```

Finishing: Run a one-line script

Azure DevOps Summary

1. Repos

Azure DevOps Repos is a Git repository hosting solution that allows you to store, version control, and manage your code collaboratively. It supports branching, pull requests, and code reviews, enabling teams to streamline their development workflows.

2. Pipelines

Azure DevOps Pipelines is a CI/CD service that automates building, testing, and deploying applications across platforms. It integrates with various tools and supports YAML-based configuration, enabling consistent and repeatable delivery pipelines.