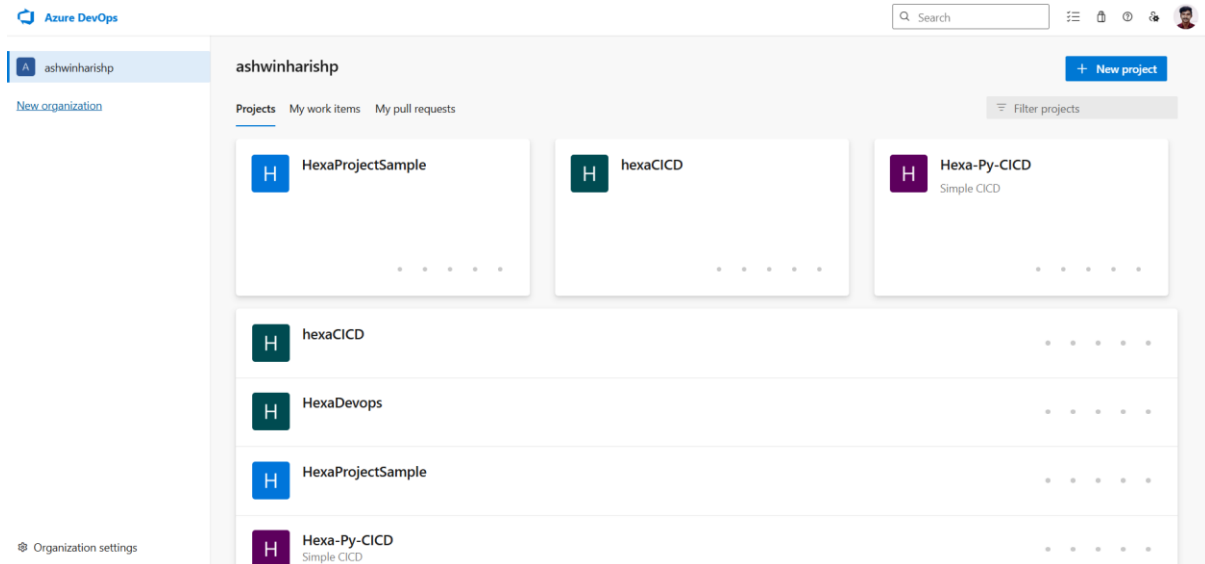


# Employee Attendance and Productivity Tracker

## Week 5 Assignment

### Step 1: Create New Project



### Step2: Enter Project name and choose agile

#### Create new project

Project name \*

Capstone Assignment

Description

Visibility

Public

Anyone on the internet can view the project. Certain features like TFVC are not supported.

Private

Only people you give access to will be able to view this project.

Advanced

Version control <sup>?</sup>

Git

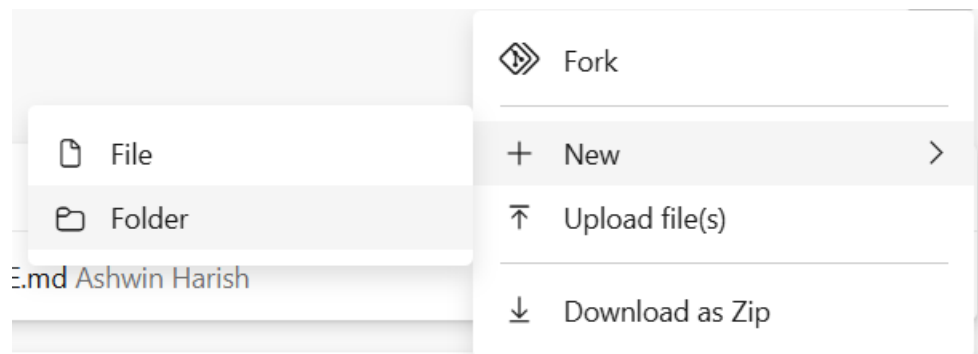
Work item process <sup>?</sup>

Agile

Cancel

Create

Step 3: Click Repo -> Files -> Initialize and click upload files



Step 4: Create new folder

### New folder

New folder name

/ Employee Attendance Tracker

Use slashes to create multiple subfolders like "sub/folder".

New file name

Readme.md

Git folders cannot be empty, so a placeholder file will be added. Its content can be edited before commit.

Cancel

Create

### Readme.md file

```
1 ### Capstone Tasks
2 - Set up a DevOps pipeline to automate weekly processing
3 - Schedule the pipeline to run every Monday
4 - Output a report with top 5 absentees or lowest performing departments
5 ### Deliverables
6 - YAML pipeline file
7 - Report/log file of latest attendance metrics
```

Step 5: Now Upload ipynb file

## Commit



Drag and drop files here or click browse

Browse...

Employee\_Attendance\_Tracker.ipynb

26.1 KB

remove

Comment

Added Employee\_Attendance\_Tracker.ipynb to /Employee Attendance Tracker

Branch name

main

Work items to link

Search work items by ID or title



Cancel

Commit

## Step 6: Create .yml file

### New file

New file name

/Employee Attendance Trac... weekly\_attendance\_pipeline.yml

Use slashes to create multiple subfolders like "sub/folder".

Cancel

Create

### .yml file code

```
1 trigger: none
2
3 schedules:
4   - cron: "0 5 * * 1"
5     displayName: Employee Attendance Tracker
6     branches:
7       include:
8         - main
9     always: true
10
11 pool:
12   vmImage: ubuntu-latest
13
14 jobs:
15   - job: weekly_attendance_job
16     displayName: Run Weekly Employee Attendance Tracker
17     steps:
18
19       - task: UsePythonVersion@0
20         inputs:
21           versionSpec: '3.10'
22         displayName: "Set up Python 3.10"
23
24       - script: |
25           pip install pyspark delta-spark
26         displayName: "Install Dependencies"
27
28       - script: |
29           python attendance_analysis.py
30         displayName: "Run Attendance Tracker Script"
31
32       - task: PublishBuildArtifacts@1
```


```

32 | - task: PublishBuildArtifacts@1
33 |   inputs:
34 |     PathtoPublish: 'reports'
35 |     ArtifactName: 'weekly_attendance_reports'
36 |     publishLocation: 'Container'
37 |     displayName: "Publish Reports as Build Artifact"
38 |




```

## Step 7: Give commit


### Directory structure

Name ↑	Last change	Commits
 Employee Attendance Tracker	Just now	<a href="#">554777fb</a> Added weekly_attendance_pipeline.yml Ashwin Harish


Name ↑	Last change	Commits
 Employee_Attendance_Tracker.ipynb	7m ago	<a href="#">8a30ee1b</a> Added Employee_Attendance_Tracker.ipynb to /Employee Attendance Tracker Ashwi...
 Readme.md	8m ago	<a href="#">9e6712ec</a> Added Readme.md Ashwin Harish
 weekly_attendance_pipeline.yml	Just now	<a href="#">554777fb</a> Added weekly_attendance_pipeline.yml Ashwin Harish

## Step 8: Click set up build

 main
 / Type to find a file or folder...

**Files**
Set up build
Clone

Contents History

Name ↑	Last change	Commits
 Employee Attendance Tracker	2m ago	<a href="#">554777fb</a> Added weekly_attendance_pipeline.yml Ashwin Harish

## Step 9: Choose Existing Azure Pipelines YAML File

New pipeline

### Configure your pipeline



#### 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.

Step 10: Choose path and click continue

### Select an existing YAML file

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

Branch

 main

Path

/Employee Attendance Tracker/weekly\_attendance\_pipeline.yml

Select a file from the dropdown or type in the path to your file

Cancel

Continue

Step 11: Now click Run

✓ Connect

✓ Select

✓ Configure

Review

New pipeline

Review your pipeline YAML

VariablesRun

Capstone Assignment / Employee Attendance Tracker/weekly\_attendance\_pipeline.yml

Show assistant

Now the pipeline gets triggered

<- Jobs in run #20250630.1

Capstone Assignment

Jobs

Run Weekly Employee Atten...

Report build status <1s

Run Weekly Employee Attendance Tracker

1 ##[error]No hosted parallelism has been purchased or granted. To request a free parallelism grant, please fill out the following form h

2 Pool: Azure Pipelines

3 Image: ubuntu-latest

4 Started: Just now

5 Duration: 8s

6

7 Job preparation parameters