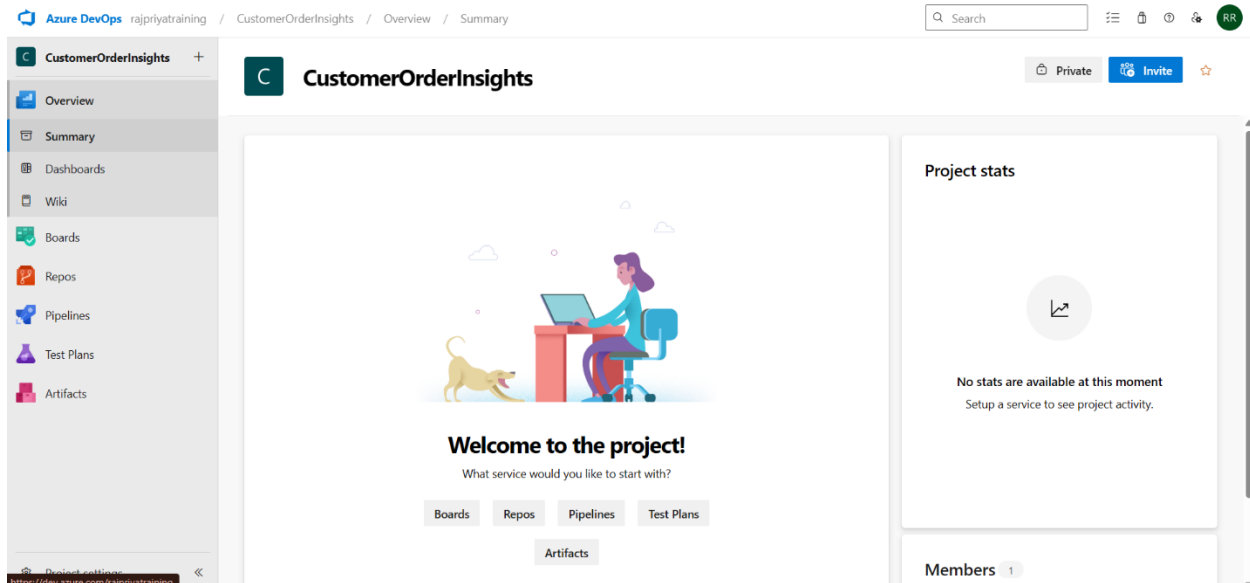


Pictorial Document for DevOps Pipeline Process – WEEK_5

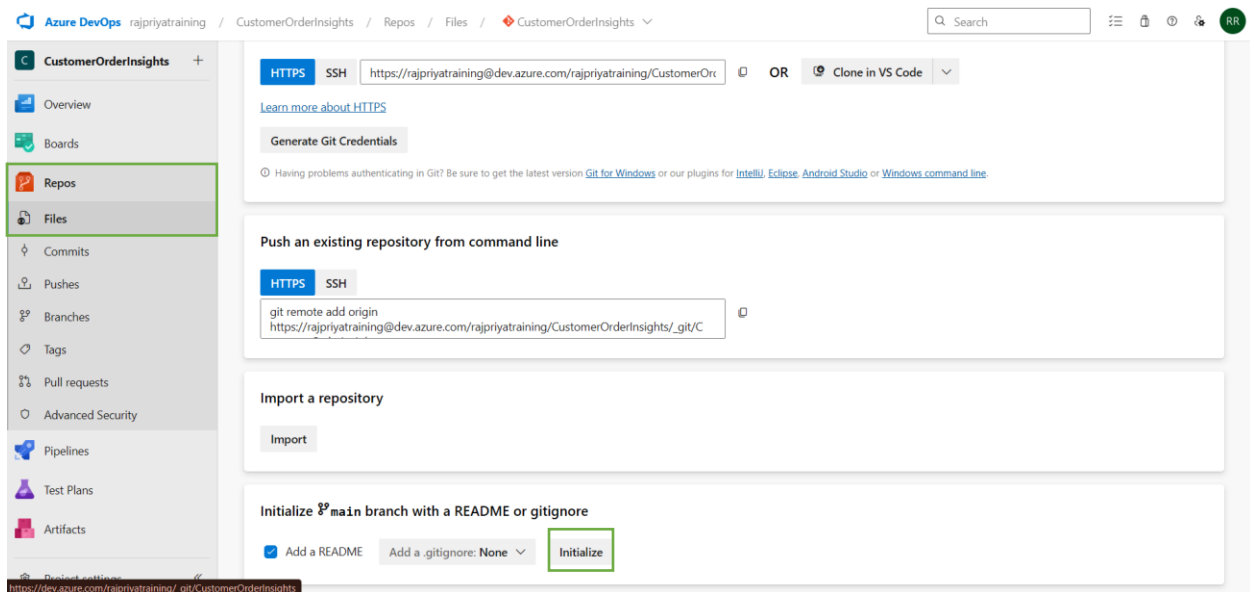
Step 1:

Create a New Project -> CustomerOrderInsights.



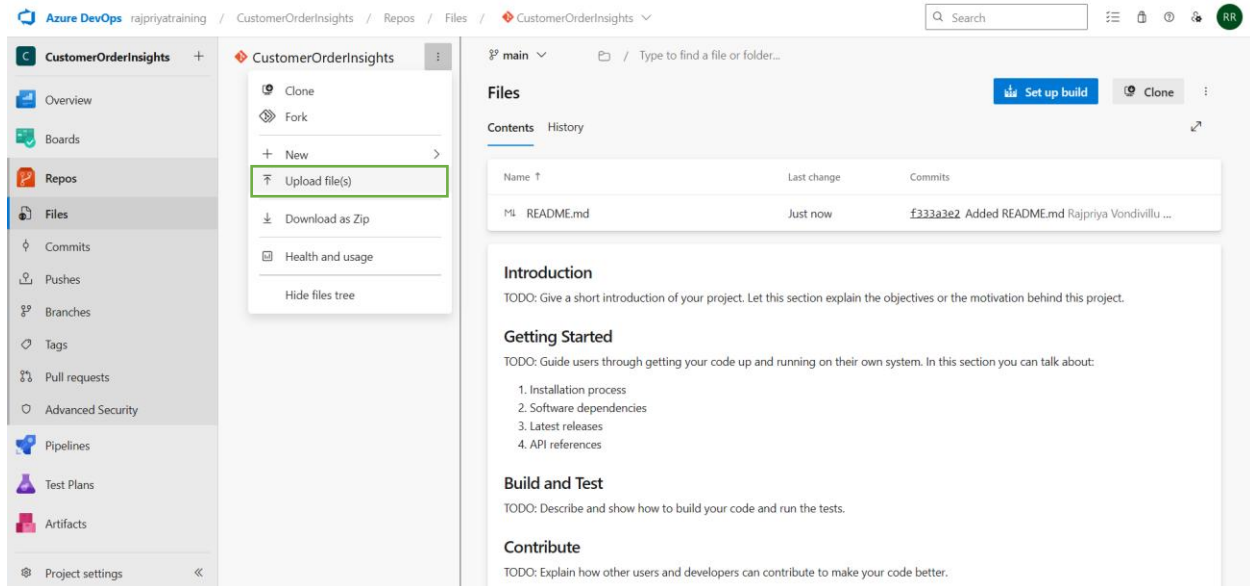
Step 2:

Click Repos -> Files -> Initialize.



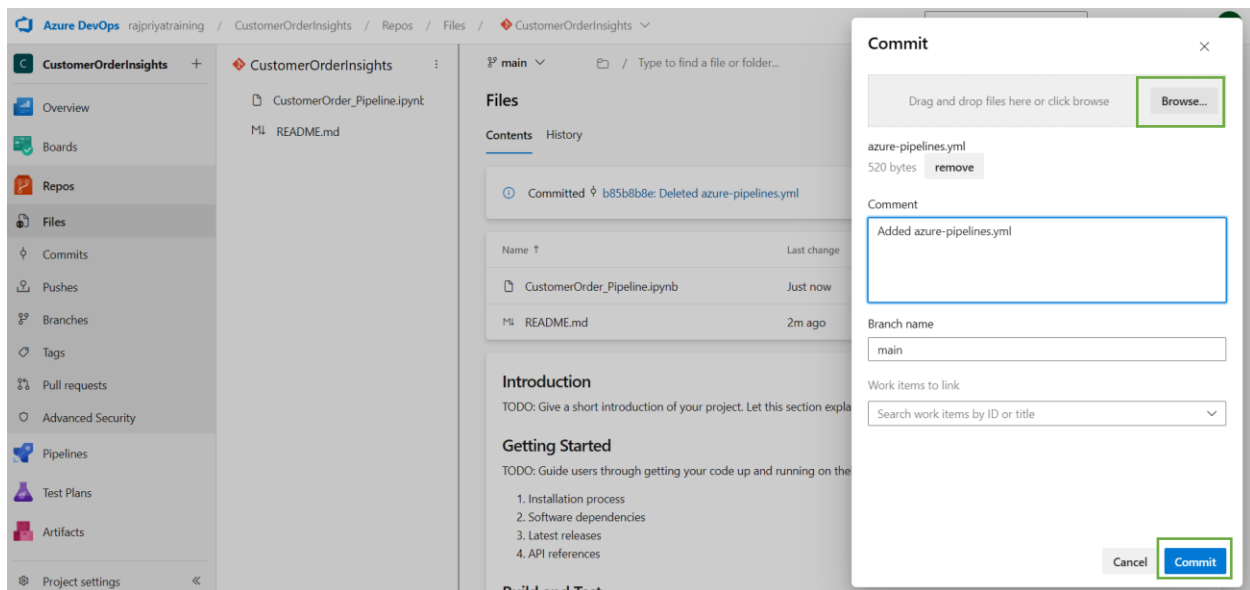
Step 3:

Click on to the three dots and add your .ipynb notebook -> “CustomerOrder_Pipeline.ipynb” and yaml file “azure-pipelines.yml” file.



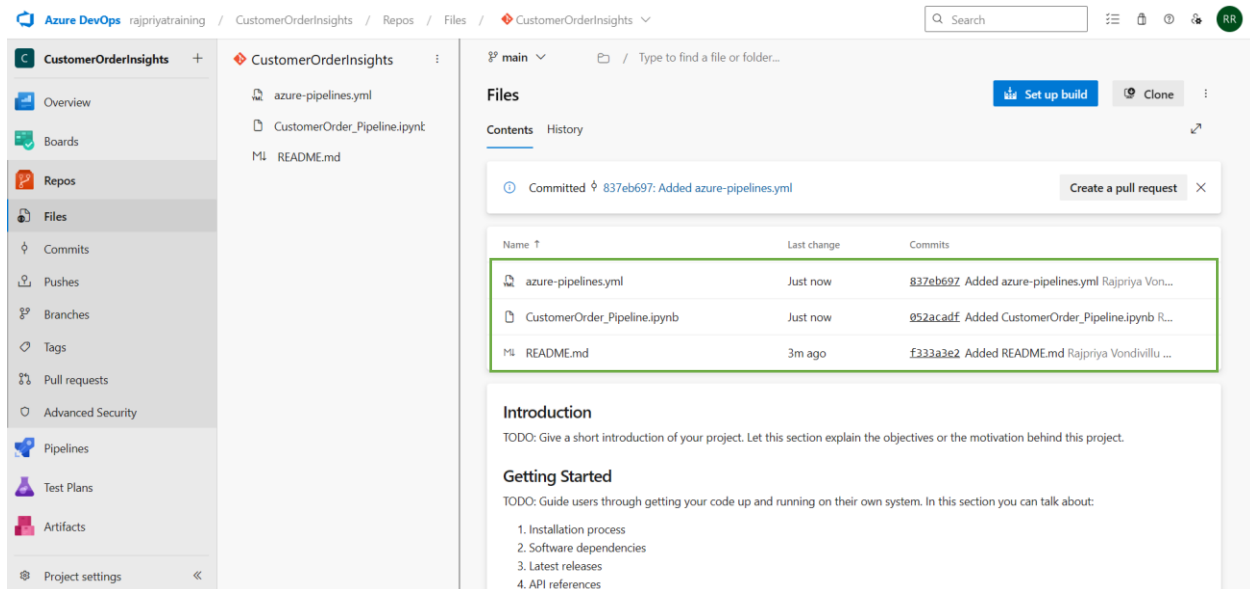
Step 4:

Browse and add your files and click on commit.



Step 5:

Check, all your files are present or not.

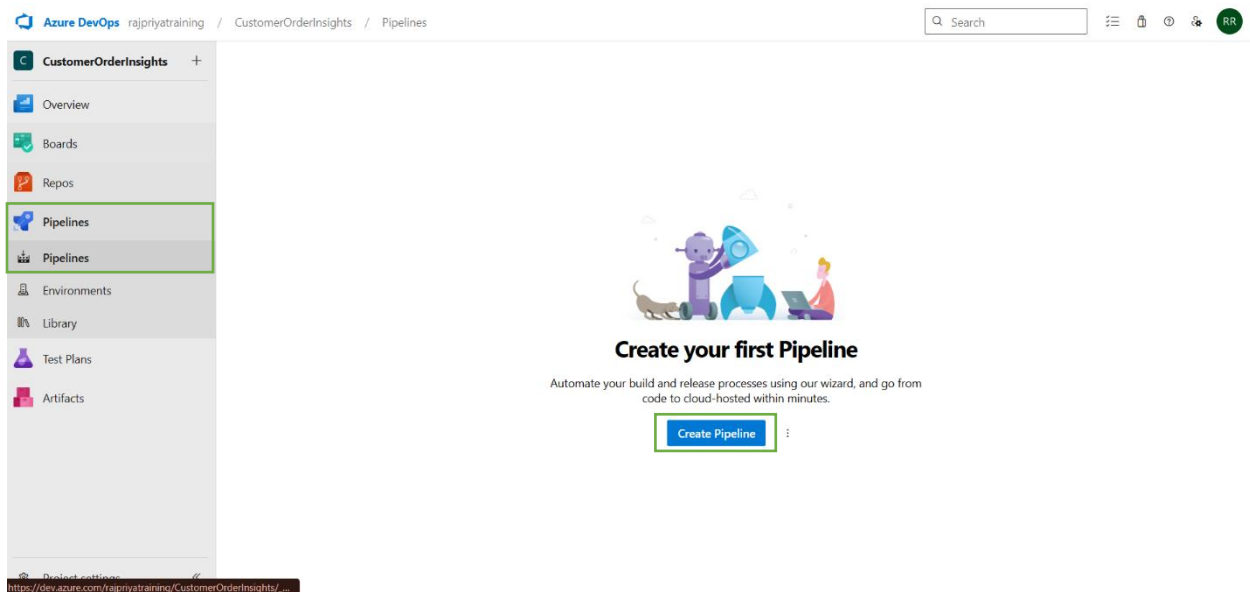


The screenshot shows the Azure DevOps interface for a repository named 'CustomerOrderInsights'. The left sidebar contains a navigation menu with options: Overview, Boards, Repos, Files, Commits, Pushes, Branches, Tags, Pull requests, Advanced Security, Pipelines, Test Plans, Artifacts, and Project settings. The 'Files' view is active, showing a list of files: 'azure-pipelines.yml', 'CustomerOrder_Pipeline.ipynb', and 'README.md'. A commit message 'Committed 837eb697: Added azure-pipelines.yml' is visible at the top. Below the file list, there is a table with columns 'Name', 'Last change', and 'Commits'. The table contains three rows, each corresponding to a file in the repository. The first row is for 'azure-pipelines.yml', the second for 'CustomerOrder_Pipeline.ipynb', and the third for 'README.md'. Below the table, there is a section titled 'Introduction' with a TODO: Give a short introduction of your project. Let this section explain the objectives or the motivation behind this project. Below the introduction, there is a section titled 'Getting Started' with a TODO: Guide users through getting your code up and running on their own system. In this section you can talk about: 1. Installation process, 2. Software dependencies, 3. Latest releases, 4. API references.

| Name | Last change | Commits |
|------------------------------|-------------|--|
| azure-pipelines.yml | Just now | 837eb697 Added azure-pipelines.yml Rajpriya Von... |
| CustomerOrder_Pipeline.ipynb | Just now | 052acade Added CustomerOrder_Pipeline.ipynb R... |
| README.md | 3m ago | f333a3e2 Added README.md Rajpriya Vondivillu ... |

Step 6:

Go to Pipelines -> Pipelines -> Create Pipeline.



The screenshot shows the Azure DevOps interface for the 'Pipelines' section. The left sidebar contains a navigation menu with options: Overview, Boards, Repos, Pipelines, Environments, Library, Test Plans, Artifacts, and Project settings. The 'Pipelines' view is active, showing a large illustration of a robot and a person working together. Below the illustration, there is a section titled 'Create your first Pipeline' with a subtext: Automate your build and release processes using our wizard, and go from code to cloud-hosted within minutes. A 'Create Pipeline' button is visible at the bottom of the section.

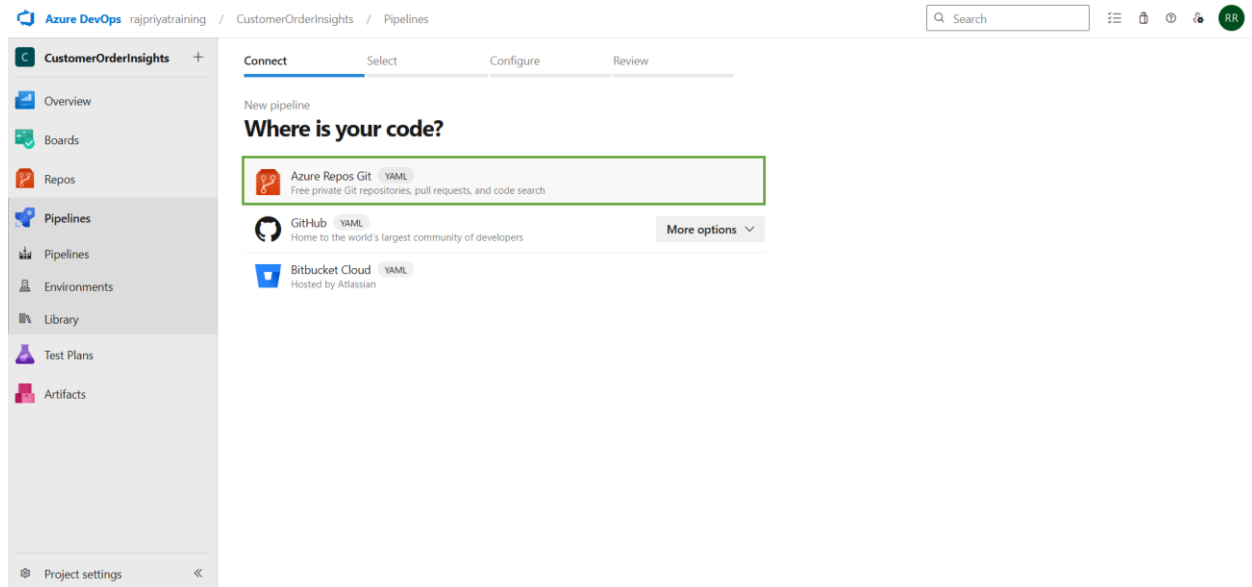
Create your first Pipeline

Automate your build and release processes using our wizard, and go from code to cloud-hosted within minutes.

[Create Pipeline](#)

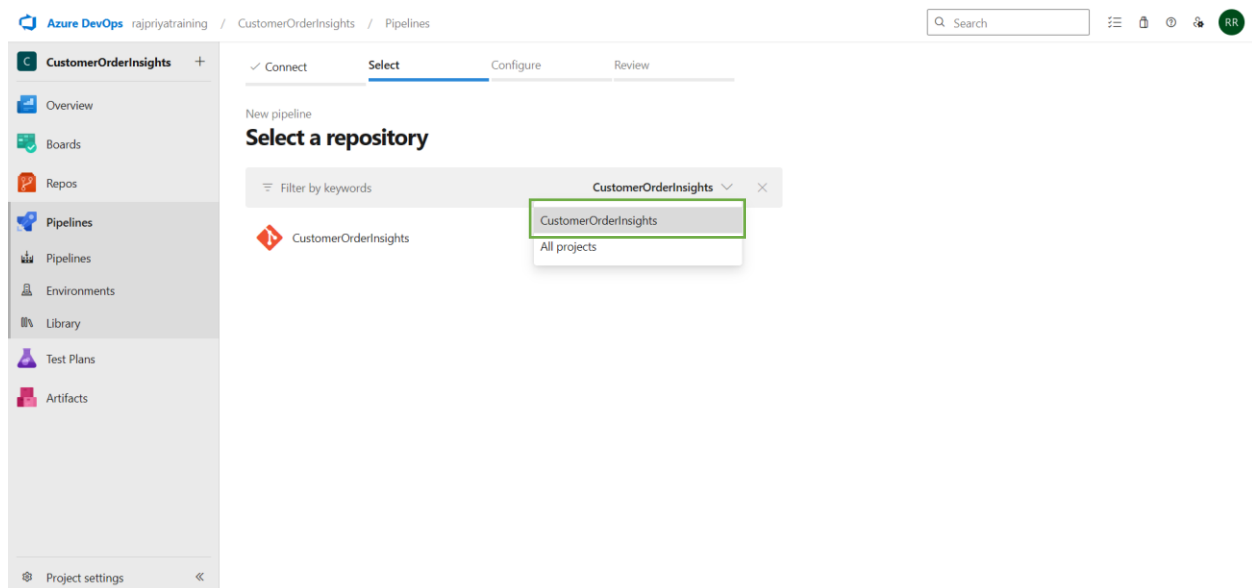
Step 3:

Select Azure Repos Git.



Step 4:

Select a repository -> CustomerOrderInsights.



Step 5:

Select Python Package.

The screenshot shows the Azure DevOps interface for the 'CustomerOrderInsights' project. The left sidebar contains navigation options: Overview, Boards, Repos, Pipelines (selected), Environments, Library, Test Plans, and Artifacts. The main area displays a list of pipeline templates. The 'Python package' template, which is 'Create and test a Python package on multiple Python versions.', is highlighted with a green rectangular box. Other templates include PHP, PowerShell Function App to Windows on Azure, Python Django, Python Function App to Linux on Azure, Python to Linux Web App on Azure, Ruby, Universal Windows Platform, Xamarin.Android, and Xamarin.iOS.

Step 6:

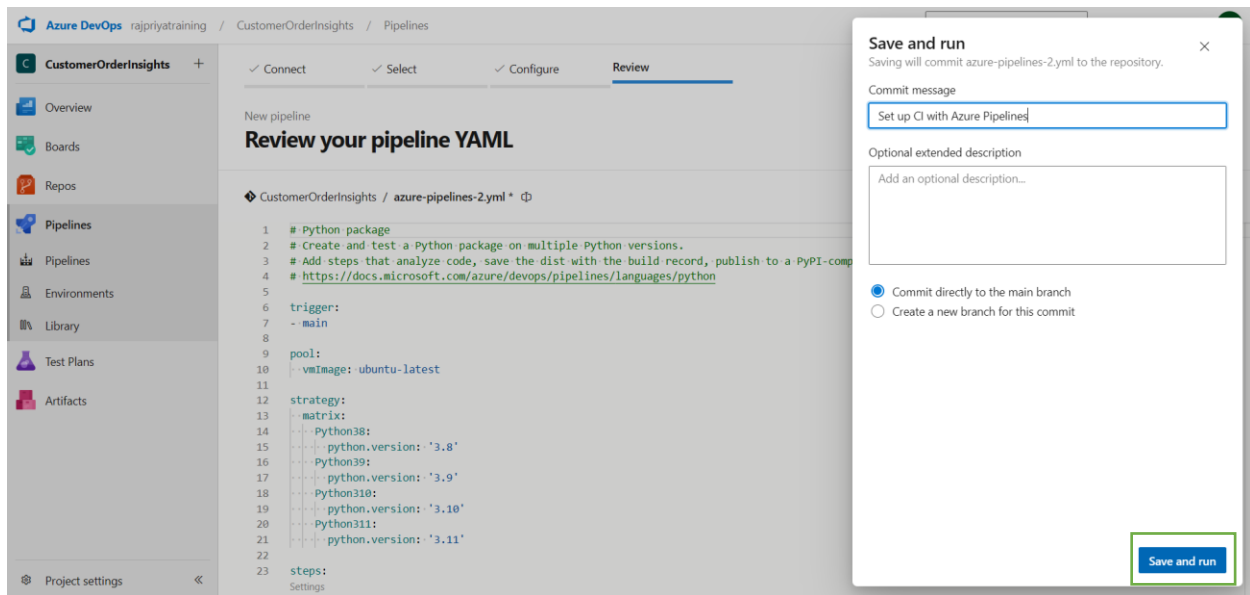
Click on Save and Run.

The screenshot shows the 'Review your pipeline YAML' screen in Azure DevOps. The top navigation bar includes 'Connect', 'Select', 'Configure', and 'Review' (the active tab). The left sidebar is the same as in Step 5. The main area displays the pipeline configuration for 'CustomerOrderInsights / azure-pipelines-1.yml'. At the top right, there are 'Variables' and 'Save and run' buttons, with the latter highlighted by a green box. Below the buttons, the pipeline YAML code is shown, starting with a comment about the 'Python package' template and listing various Python versions in the matrix. The code is as follows:

```
1 # Python package
2 # Create and test a Python package on multiple Python versions.
3 # Add steps that analyze code, save the dist with the build record, publish to a PyPI-compatible index, and more:
4 # https://docs.microsoft.com/azure/devops/pipelines/languages/python
5
6 trigger:
7   - main
8
9 pool:
10  vmImage: ubuntu-latest
11
12 strategy:
13   matrix:
14     Python38:
15       python.version: '3.8'
16     Python39:
17       python.version: '3.9'
18     Python310:
19       python.version: '3.10'
20     Python311:
21       python.version: '3.11'
22
23 steps:
24   Settings
```

Step 7:

Again, click on Save and Run.



Step 8:

Now we can see the summary of the pipeline and it is scheduled to run with the configured agent.

