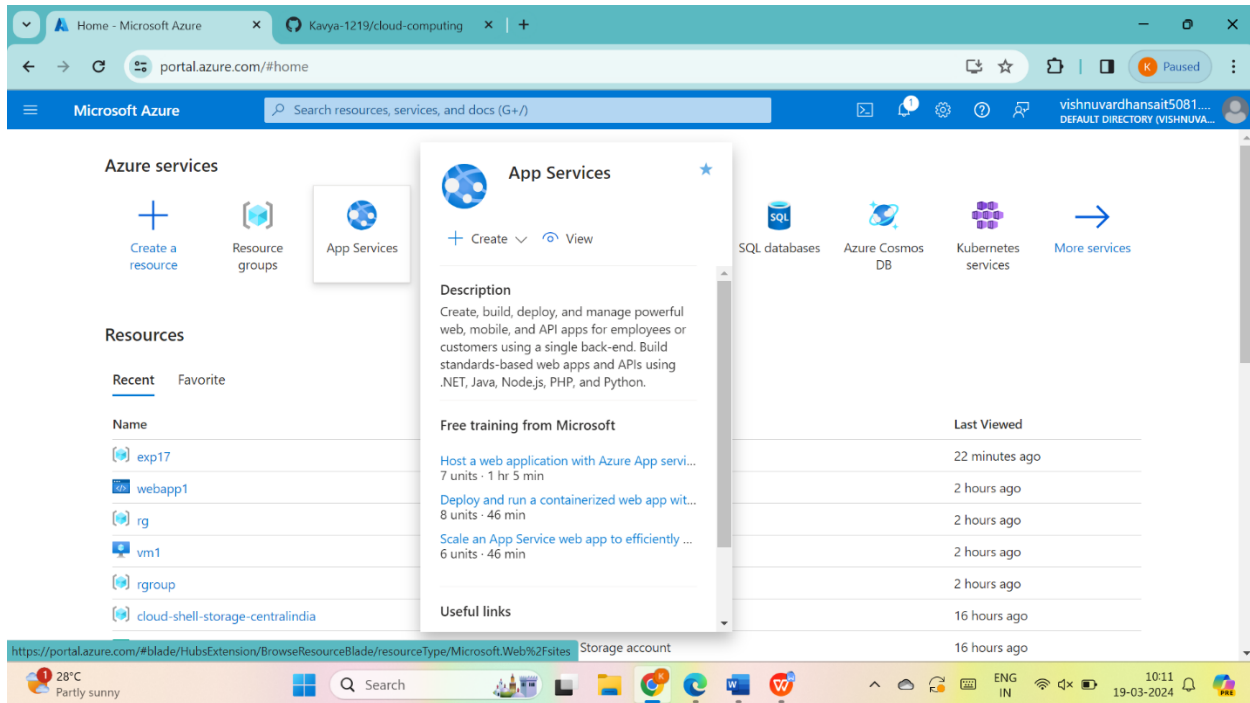


## EXP:18:

**Aim:** To Create a Simple Web Application using Java or Python and host it in any Public Cloud Service Provider (Azure/GCP/AWS) to demonstrate Platform as a Service (PaaS).

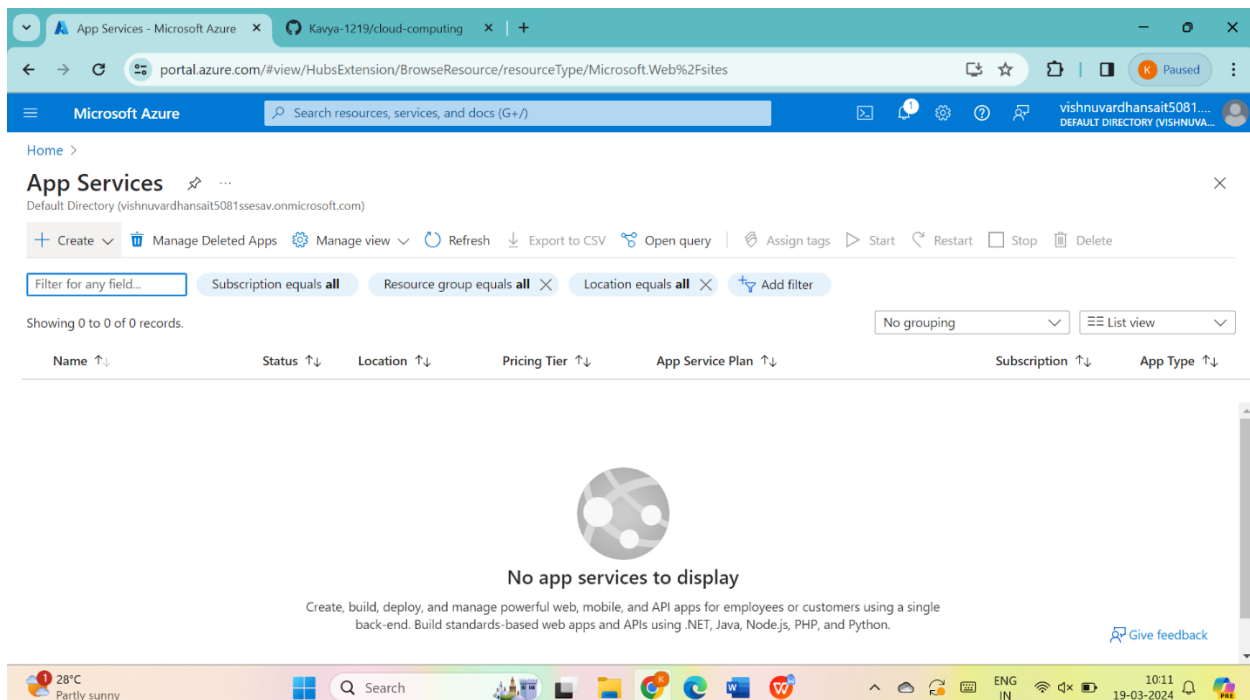
### Implementation:

**STEP:1::** open azure and create account Go to resource groups



The screenshot shows the Microsoft Azure portal interface. The 'App Services' tile is selected, displaying a description: 'Create, build, deploy, and manage powerful web, mobile, and API apps for employees or customers using a single back-end. Build standards-based web apps and APIs using .NET, Java, Node.js, PHP, and Python.' Below this, there are links for 'Free training from Microsoft' with titles like 'Host a web application with Azure App servi...', 'Deploy and run a containerized web app wit...', and 'Scale an App Service web app to efficiently ...'. The 'Resources' section on the left lists recent resource groups: 'exp17', 'webapp1', 'rg', 'vm1', 'rgroup', and 'cloud-shell-storage-centralindia'. The top navigation bar includes the 'Microsoft Azure' logo and a search bar. The bottom status bar shows the date as 19-03-2024 and the time as 10:11.

**THEN GO THE CREATE.**



The screenshot shows the 'App Services' page in the Microsoft Azure portal. The page title is 'App Services' with a subtitle 'Default Directory (vishnuvardhansait5081sesav.onmicrosoft.com)'. Below the title, there are buttons for '+ Create', 'Manage Deleted Apps', 'Manage view', 'Refresh', 'Export to CSV', 'Open query', 'Assign tags', 'Start', 'Restart', 'Stop', and 'Delete'. A filter bar shows 'Filter for any field...' and 'Subscription equals all'. The page indicates 'Showing 0 to 0 of 0 records.' Below this, there are columns for 'Name', 'Status', 'Location', 'Pricing Tier', 'App Service Plan', 'Subscription', and 'App Type'. The main content area shows a large circular icon with a grid pattern and the text 'No app services to display'. Below this, there is a description: 'Create, build, deploy, and manage powerful web, mobile, and API apps for employees or customers using a single back-end. Build standards-based web apps and APIs using .NET, Java, Node.js, PHP, and Python.' and a 'Give feedback' link. The bottom status bar shows the date as 19-03-2024 and the time as 10:11.

## Go to static web app

The screenshot shows the Microsoft Azure portal interface. The browser address bar displays `portal.azure.com/#view/HubsExtension/BrowseResource/resourceType/Microsoft.Web%2Fsites`. The page title is "App Services". Below the title, there's a search bar and a list of actions: Create, Manage Deleted Apps, Manage view, Refresh, Export to CSV, Open query, Assign tags, Start, Restart, Stop, and Delete. The "Create" dropdown menu is open, showing options: Web App, Static Web App (highlighted), Web App + Database, and WordPress on App Service. Below the menu, there are filters for Subscription, Resource group, and Location, all set to "all". There are also sorting options for Status, Location, Pricing Tier, App Service Plan, Subscription, and App Type. The main content area displays a large circular icon with a network diagram and the text "No app services to display". Below this, it says "Create, build, deploy, and manage powerful web, mobile, and API apps for employees or customers using a single back-end. Build standards-based web apps and APIs using .NET, Java, Node.js, PHP, and Python." A "Give feedback" link is visible in the bottom right corner of the main content area.

## Give name to static web app and give next : advanced

The screenshot shows the "Create Static Web App" wizard in the Microsoft Azure portal. The browser address bar displays `portal.azure.com/#create/Microsoft.StaticApp`. The page title is "Create Static Web App". The wizard has three main sections: "Static Web App details", "Hosting plan", and "Deployment details". In the "Static Web App details" section, the "Name" field is filled with "exp18" and has a green checkmark. In the "Hosting plan" section, the "Plan type" is set to "Free: For hobby or personal projects". In the "Deployment details" section, the "Source" is set to "Other". At the bottom of the wizard, there are three buttons: "Review + create", "< Previous", and "Next : Advanced >". A blue information box at the bottom left states: "Select this option to use other deployment methods. After the app is created, open it and follow the instructions to deploy your app."

Fill the name and value and give next : review + create>

The screenshot shows the 'Create Static Web App' wizard in the Microsoft Azure portal. The 'Tags' tab is selected, showing a table for adding tags. The table has three columns: 'Name', 'Value', and 'Resource'. There are three rows, each for a 'Static Web App' resource. The first row has 'App' as the name and '234' as the value. The second row has 'r' as the name and '23' as the value. The third row is empty. Below the table, there are buttons for 'Review + create', '< Previous', and 'Next : Review + create >'. The Windows taskbar at the bottom shows the date as 19-03-2024 and the time as 10:12.

Name	Value	Resource
App	: 234	Static Web App
r	: 23	Static Web App
		Static Web App

STEP:3:: go to create

The screenshot shows the 'Create Static Web App' wizard in the Microsoft Azure portal, now in the 'Review + create' tab. It displays a summary of the Static Web App configuration. The 'Details' section lists the following information:

- Subscription: a20bdd7e-ad37-4617-afe3-203144019c4f
- Resource Group: exp18\_group
- Name: exp18
- Region: centralus
- SKU: Free
- Tags: App: 234, r: 23

At the bottom, there are buttons for 'Create', '< Previous', 'Next >', and a link to 'Download a template for automation'. The Windows taskbar at the bottom shows the date as 19-03-2024 and the time as 10:24.

STEP:4:so the static web app was created then go to resource group

The screenshot shows the Microsoft Azure portal interface. At the top, there's a search bar and a navigation menu. The main content area displays the deployment details for a resource named 'Microsoft.Web-StaticApp-Portal-89a173c2-8593'. The deployment is marked as 'complete' with a green checkmark. A notification box in the top right corner states 'Deployment succeeded' and provides a link to 'Go to resource'. The deployment details include the deployment name, subscription (Azure for Students), resource group (exp18\_group), start time (3/19/2024, 10:34:49 AM), and correlation ID. Below the deployment details, there are sections for 'Deployment details' and 'Next steps', along with a 'Go to resource' button. On the right side, there are links for 'Cost management', 'Microsoft Defender for Cloud', and 'Free Microsoft tutorials'. The bottom of the screen shows a Windows taskbar with the date and time (19-03-2024, 10:35).

Copy down the URL and open in the browser

The screenshot shows the Microsoft Azure portal interface for a Static Web App named 'exp18'. The main content area displays the app's overview, including the URL 'https://happy-smoke-0e969bc105.azurestaticapps.net', the resource group 'exp18\_group', the subscription 'Azure for Students', and the subscription ID 'a20bdd7e-ad37-4617-afe3-203144019c4f'. The app is located in the 'Global' region and is free. The page also shows the app's tags, including 'App: 234' and 'r: 23'. A notification at the top indicates that the app is ready for use. The bottom of the screen shows a Windows taskbar with the date and time (19-03-2024, 10:35).

RESULT: THUS,THE PROGRAM FOR SIMPLE WEB APPLICATION IN AZURE HAS BEEN DONE SUCCESSFULLY

