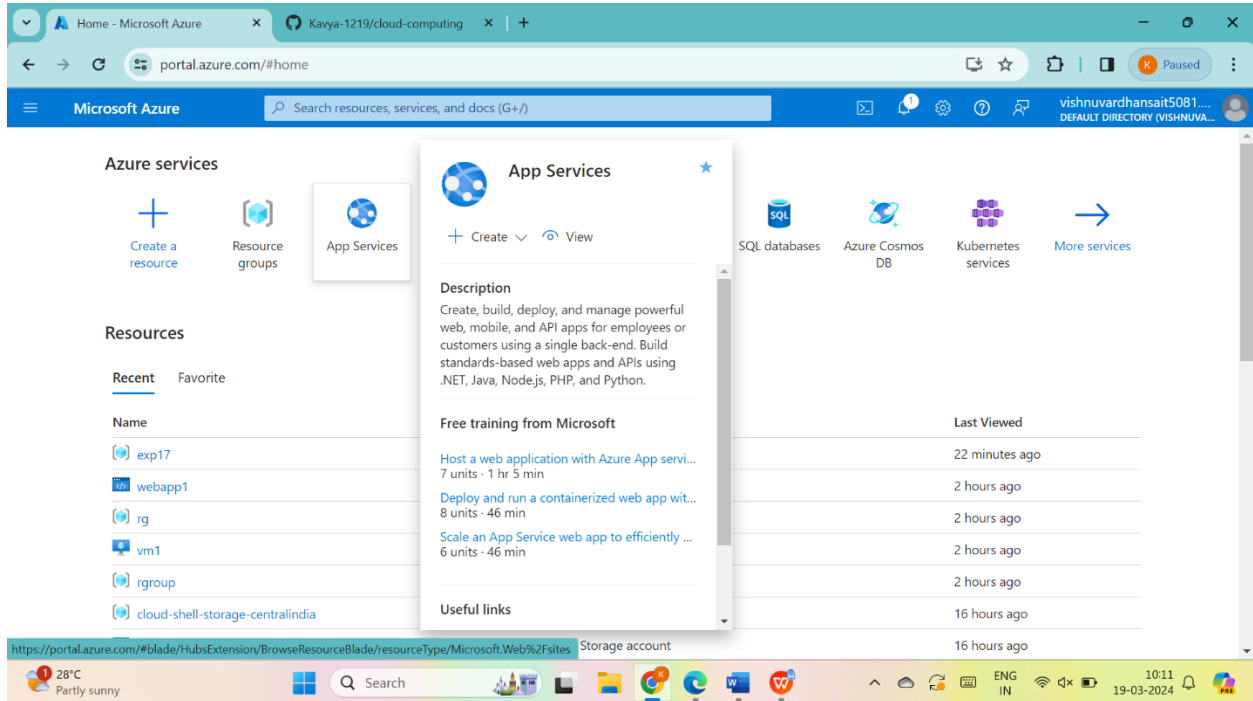


## EXPERIMENT:18:

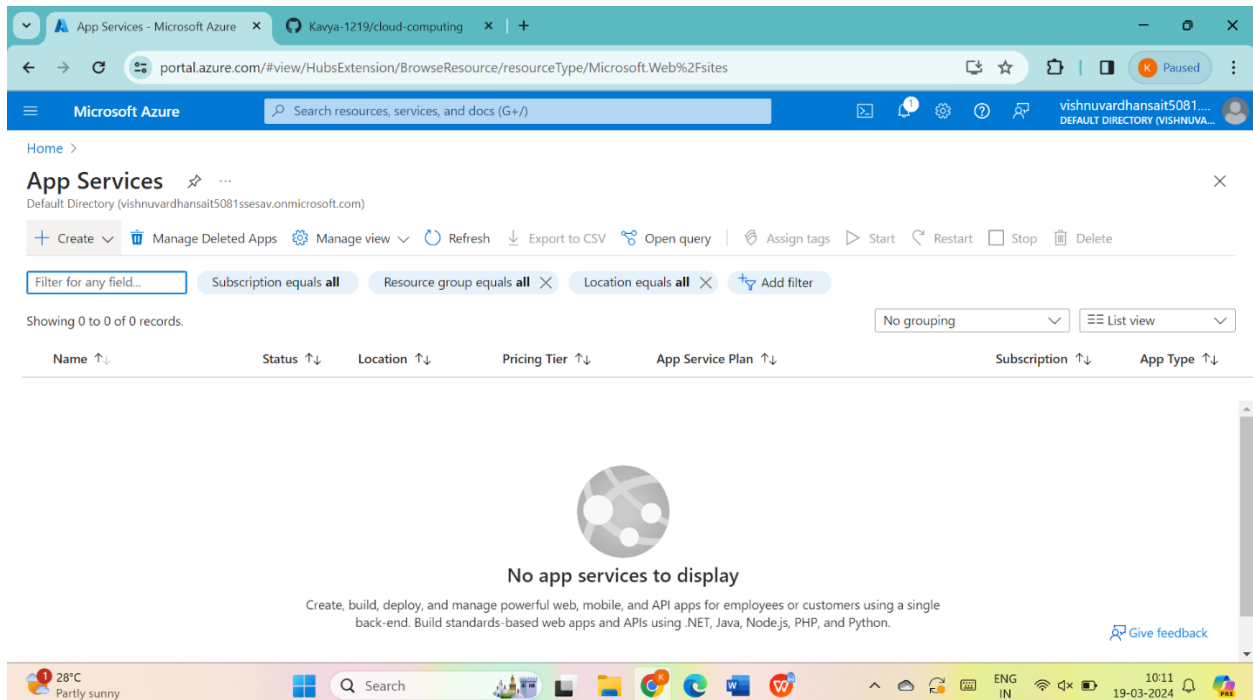
**Aim:** To Create a Simple Web Application using Java or Python and host it in any Public Cloud Service Provider (Azure/GCP/AWS) to demonstrate Platform as a Service (PaaS).

### Implementation:

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



THEN GO THE CREATE.



## Go to static web app

The screenshot shows the Microsoft Azure App Services portal. The browser address bar displays `portal.azure.com/#view/HubsExtension/BrowseResource/resourceType/Microsoft.Web%2Fsites`. The page header includes the Microsoft Azure logo and a search bar. Below the header, there's a navigation bar with options like 'Create', 'Manage Deleted Apps', 'Manage view', 'Refresh', 'Export to CSV', 'Open query', 'Assign tags', 'Start', 'Restart', 'Stop', and 'Delete'. A dropdown menu is open under 'Create', showing options: 'Web App', 'Static Web App', 'Web App + Database', and 'WordPress on App Service'. The 'Static Web App' option is selected. Below the dropdown, there are filters for 'Subscription equals all', 'Resource group equals all', and 'Location equals all'. There are also buttons for 'Add filter', 'No grouping', and 'List view'. The main content area shows 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.' There is a 'Give feedback' link. The bottom of the page shows a Windows taskbar with the date and time as 10:11 on 19-03-2024.

## 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 header includes the Microsoft Azure logo and a search bar. Below the header, there's a navigation bar with options like 'Home', 'App Services', and 'Create Static Web App'. The main content area shows the 'Create Static Web App' wizard. The 'Static Web App details' section has a 'Name' field with the value 'exp18'. The 'Hosting plan' section has a 'Plan type' dropdown with 'Free: For hobby or personal projects' selected. The 'Deployment details' section has a 'Source' dropdown with 'Other' selected. There is a blue box with a warning icon and text: 'Select this option to use other deployment methods. After the app is created, open it and follow the instructions to deploy your app.' At the bottom, there are buttons for 'Review + create', '< Previous', and 'Next : Advanced >'. The bottom of the page shows a Windows taskbar with the date and time as 10:12 on 19-03-2024.

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

The screenshot shows the 'Create Static Web App' page in the Microsoft Azure portal, specifically the 'Tags' tab. The page has a blue header with the Microsoft Azure logo and a search bar. Below the header, there's a breadcrumb trail: 'Home > App Services >'. The main title is 'Create Static Web App'. Below the title, there are tabs for 'Basics', 'Advanced', 'Tags', and 'Review + create'. The 'Tags' tab is currently selected. It contains a description of tags and a table for adding them.

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups.

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

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

At the bottom of the page, there are buttons for 'Review + create', '< Previous', and 'Next : Review + create >'. The Windows taskbar is visible at the bottom of the screenshot, showing the time as 10:12 on 19-03-2024.

STEP:3:: go to create

The screenshot shows the 'Create Static Web App' page in the Microsoft Azure portal, specifically the 'Review + create' tab. The page has a blue header with the Microsoft Azure logo and a search bar. Below the header, there's a breadcrumb trail: 'Home > App Services >'. The main title is 'Create Static Web App'. Below the title, there are tabs for 'Basics', 'Advanced', 'Tags', and 'Review + create'. The 'Review + create' tab is currently selected. It contains a 'Summary' section with a 'Static Web App' icon and a 'Details' section with various configuration parameters.

Summary

**Static Web App**  
by Microsoft

Details

Subscription	a20bdd7e-ad37-4617-afe3-203144019c4f
Resource Group	exp18_group
Name	exp18
Region	centralus
SKU	Free
Tags	App: 234, r: 23

At the bottom of the page, there are buttons for 'Create', '< Previous', 'Next >', and 'Download a template for automation'. The Windows taskbar is visible at the bottom of the screenshot, showing the time as 10:24 on 19-03-2024.

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

The screenshot shows the Microsoft Azure portal interface. The main heading is "Microsoft.Web-StaticApp-Portal-89a173c2-8593 | Overview". Below this, there's a search bar and a list of tabs: Overview, Inputs, Outputs, and Template. The "Overview" tab is selected. The main content area displays "Your deployment is complete" with a green checkmark. It lists deployment details: Deployment name (Microsoft.Web-StaticApp-Portal-89a173c2-8593), Subscription (Azure for Students), Resource group (exp18\_group), Start time (3/19/2024, 10:34:49 AM), and Correlation ID (f0d5e1d7-0e33-4aea-b28c-e9...). There are buttons for "Delete", "Cancel", "Redeploy", "Download", and "Refresh". A "Go to resource" button is also present. A notification box in the top right corner states "Deployment succeeded" and provides a link to "Go to resource". The right sidebar contains sections for "Cost management", "Microsoft Defender for Cloud", and "Free Microsoft tutorials". The bottom of the screen shows a Windows taskbar with the date 19-03-2024 and time 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 heading is "exp18 | Overview". Below this, there's a search bar and a list of tabs: Overview, Access control (IAM), Tags, Diagnose and solve problems, Settings, Configuration, Environment variables, Application Insights, Custom domains, APIs, Database connection (preview), Environments, and Role management. The "Overview" tab is selected. The main content area displays the URL "https://happy-smoke-0e969bc105.azurestaticapps.net" and various settings: Resource group (exp18\_group), Subscription (Azure for Students), Subscription ID (a20bdd7e-ad37-4617-afe3-203144019c4f), Location (Global), Sku (Free), and Tags (App: 234, r: 23). There are buttons for "View app in browser", "Delete", "Manage deployment token", and "Send us your feedback". A notification box at the top states "Thank you for using Azure Static Web Apps! We have not received any content for your site yet. Click here to check the status of your GitHub Action runs." The right sidebar contains a "JSON View" button. The bottom of the screen shows a Windows taskbar with the date 19-03-2024 and time 10:35.

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

