

Azure WebApps – A complete walk on it!!

Overview:

This article is about Azure WebApps which is one of a service from Azure App Service. Azure WebApps is a completely computed platform from Microsoft Azure which helps us to host, manage, create slots, go with traffic manager and many more flexible options to make your WebApp a completely easier one for the client and for developer.

WebApp which is available on the compute of Microsoft Azure is available as a resource on shared or a dedicated Virtual Machine (VM). WebApp also falls on the App Service Plan and it is supported by multiple app languages or framework such as ASP.NET, Node.js, java, PHP and Python. WebApps also supports us to go with the existing tools like Visual Studio, FTP, etc., it helps us with the simple Azure AD Integration, ISO, SOC2, PCI Complaint. Azure WebApps also comes with helping the client by having their application deployed in a region close to them and run pure compute jobs on a scheduler or as a trigger.

Lets understand few terminologies of Azure App Services now:

Azure App Service – App Service is an integrated cloud app platform for developing modern enterprise apps across cloud and mobile devices. An App Service Environment is a Premium service plan option of Azure App Service that provides a fully isolated and dedicated environment for securely running Azure App Service apps at high scale, including Web Apps, Mobile Apps, and API Apps. We have different App Service Plans such as Basic, Shared, Standard and Premium which supports for different features like Instance, Slots, Core of machine, Storage, SSL, Custom Domains, Traffic Manager, Backup and BizTalk Services. Please surf for the below image to make sense about the different App Service Plans tier which specifies the cost plans too. It also supports us with deploying the App Services with the nearest region which is close to us as Microsoft Azure supports us with 34 regions across the globe.

Azure Resource Groups (RG's) – Azure Resource Groups are a logical container that can span regions used to contain resources into groups that share a common life cycle. Resource Groups can hold Virtual Machines (VM's), NIC's, Storage, WebApps, SQL and Virtual Networks. Each and every resource that is available on the Azure is tagged with a Resource Group. RG's can help the developers with RBAC (Role Based Access Control), it can help us with deployment under a RG using Powershell, Visual Studio, Azure Portal, etc., It's not mandatory that all resources should be available within a same RG which should follow the same life cycle as such, it all depends upon the developer or administrator.

P1 Premium	P2 Premium	P3 Premium	S1 Standard	S2 Standard	S3 Standard
1 Core	2 Core	4 Core	1 Core	2 Core	4 Core
1.75 GB RAM	3.5 GB RAM	7 GB RAM	1.75 GB RAM	3.5 GB RAM	7 GB RAM
BizTalk Services	BizTalk Services	BizTalk Services	50 GB Storage	50 GB Storage	50 GB Storage
250 GB Storage	250 GB Storage	250 GB Storage	Custom domains / SSL SNI Incl & IP SSL Support	Custom domains / SSL SNI Incl & IP SSL Support	Custom domains / SSL SNI Incl & IP SSL Support
Up to 20 instances * Subject to availability	Up to 20 instances * Subject to availability	Up to 20 instances * Subject to availability	Up to 10 instances Auto scale	Up to 10 instances Auto scale	Up to 10 instances Auto scale
20 slots Web app staging	20 slots Web app staging	20 slots Web app staging	Daily Backup	Daily Backup	Daily Backup
50 times daily Backup	50 times daily Backup	50 times daily Backup	5 slots Web app staging	5 slots Web app staging	5 slots Web app staging
Traffic Manager Geo availability	Traffic Manager Geo availability	Traffic Manager Geo availability			
14,752.68 INR/MONTH (ESTIMATED)	29,505.37 INR/MONTH (ESTIMATED)	59,010.73 INR/MONTH (ESTIMATED)	2,950.54 INR/MONTH (ESTIMATED)	5,901.07 INR/MONTH (ESTIMATED)	11,802.15 INR/MONTH (ESTIMATED)
B1 Basic	B2 Basic	B3 Basic	F1 Free	D1 Shared*	
1 Core	2 Core	4 Core	- Shared infrastructure	- Shared infrastructure	
1.75 GB RAM	3.5 GB RAM	7 GB RAM	1 GB Storage	1 GB Storage	
10 GB Storage	10 GB Storage	10 GB Storage	Custom domains	Custom domains	
Custom domains	Custom domains	Custom domains	SSL Support SNI SSL Included	SSL Support SNI SSL Included	
SSL Support SNI SSL Included	SSL Support SNI SSL Included	SSL Support SNI SSL Included	Up to 3 instances Manual scale	Up to 3 instances Manual scale	
Up to 3 instances Manual scale	Up to 3 instances Manual scale				
2,163.73 INR/MONTH (ESTIMATED)	4,327.45 INR/MONTH (ESTIMATED)	8,654.91 INR/MONTH (ESTIMATED)	0.00 INR/MONTH (ESTIMATED)	639.28 INR/MONTH (ESTIMATED, *PER APP)	

Lets work with the following exercises now:

Exercise 1 – Creating a Web App from the Azure Portal and understanding the features.

Exercise 2 – Hosting a Web App using File Explorer.

Exercise 3 – Creating a Slot from Azure Portal.

Exercise 4 – Hosting a Web App from GitHub.

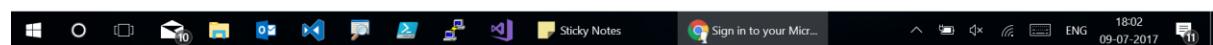
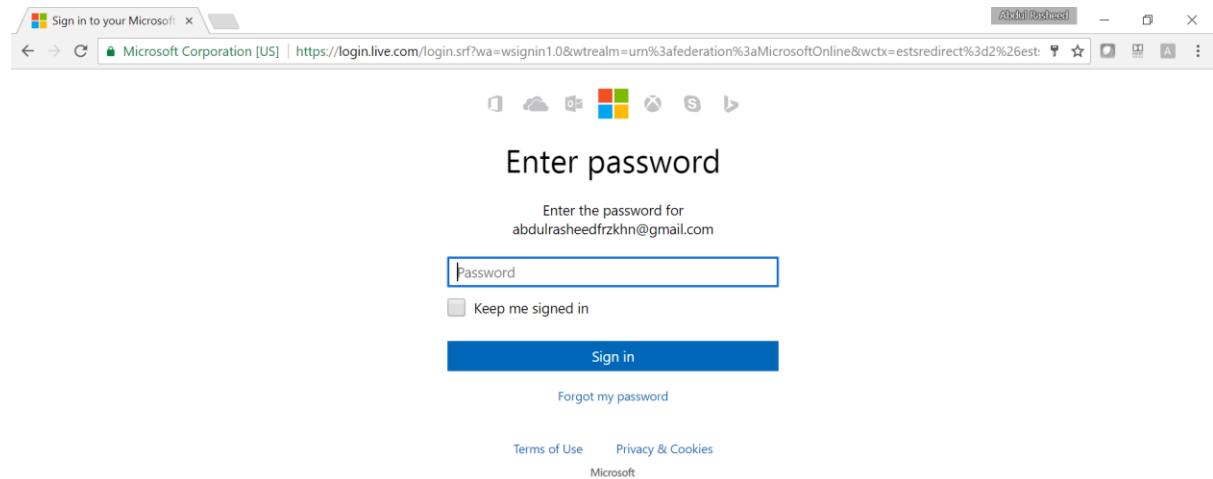
Exercise 5 – Swap using Deployment Slots.

Exercise 1 - Creating a Web App from the Azure Portal and understanding the features.

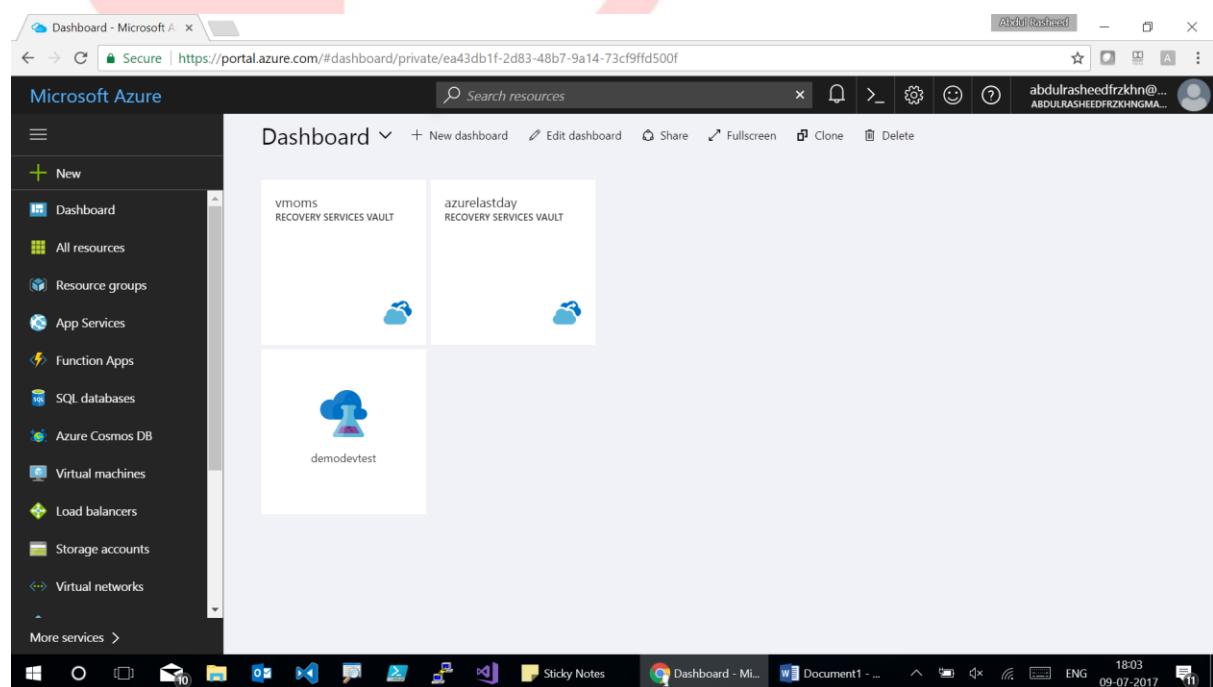
Follow the below steps to create a Web App from Azure Portal:

Step 01 : Login to Azure Portal using this URL - <https://portal.azure.com/>

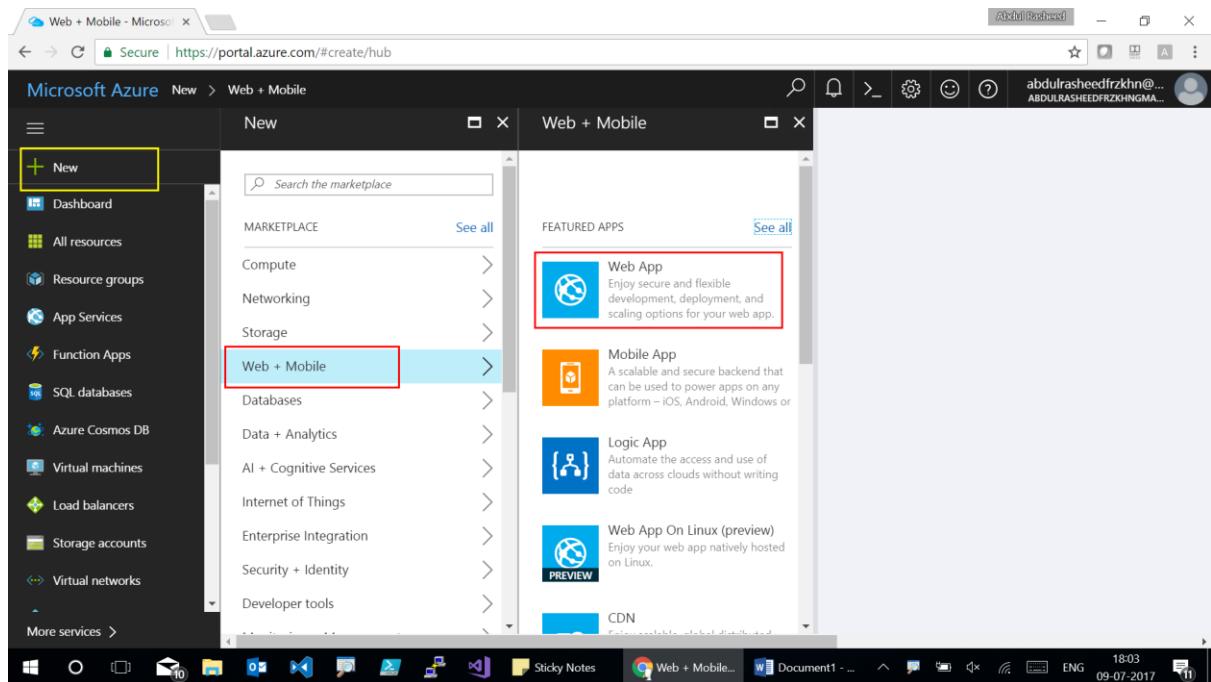
Note – if you don't have an Azure account, get a temporary free trial subscription of free tier from [here](#).



Here is how your Azure Portal looks as such.

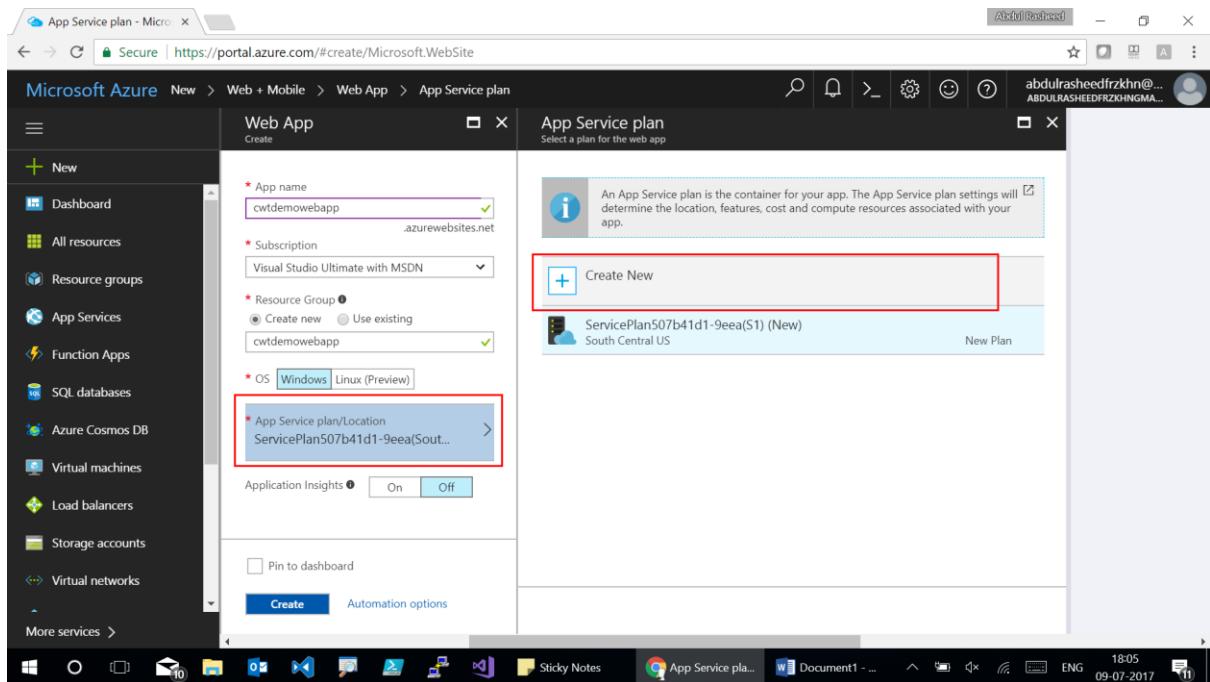


Step 02 : Click on New → Web + Mobile → Web App to create a Web App.



Create the Web App by configuring the below details:

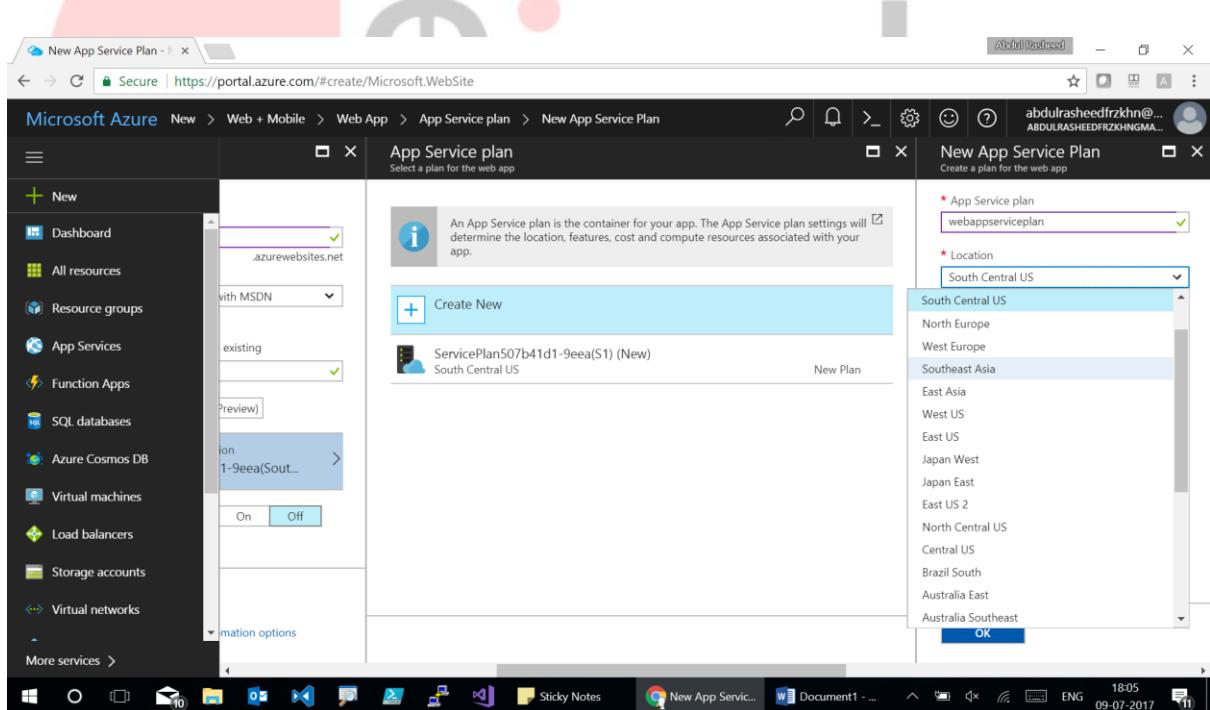
- App name – Name the webapp over here, Here we have named it as cwtdemowebapp.
- Subscription – Select the subscription which you have for your Azure account.
- Resource Group (RG) – Create a new Resource group or tag the resource of a web app towards an already existing one which will share the same life cycle.
- OS – Select Windows or Linux in which you wish to host your Web App has to be deployed, here we have selected OS as Windows.
- App Service Plan/Location – Click on the App Service Plan/Location → Create New.



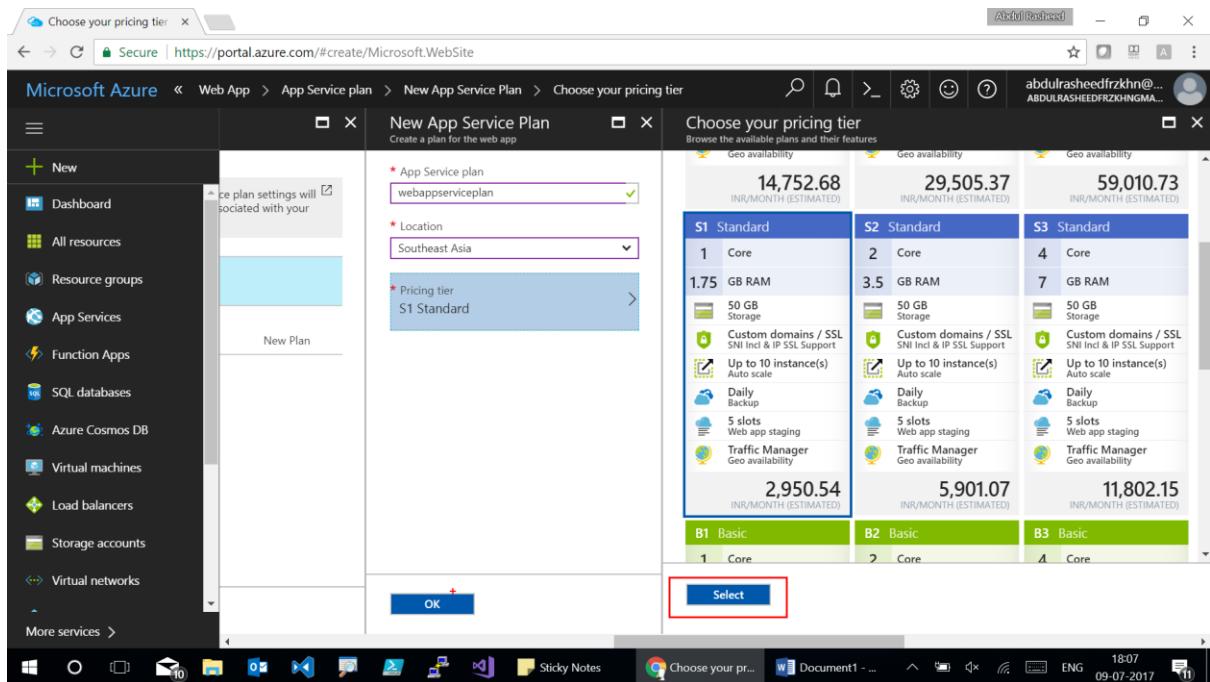
New App Service Plan: Name the new App Service Plan – webappserviceplan

Location: Choose the location of your choice – South East Asia

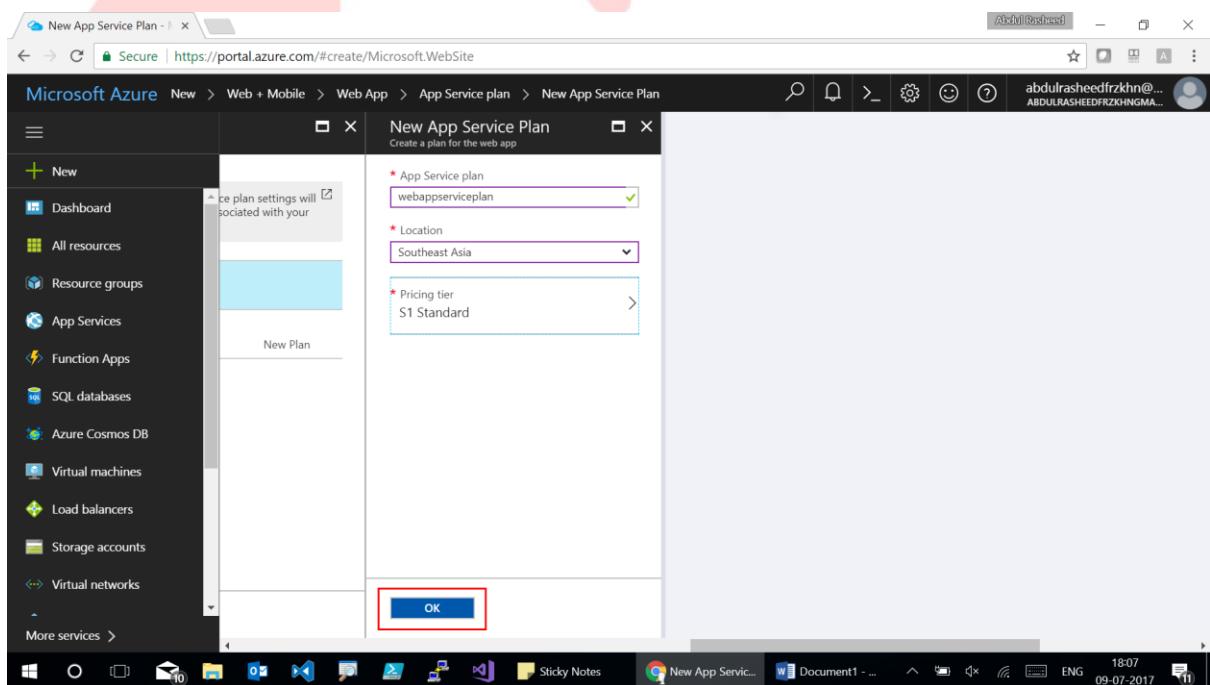
Pricing Tier: S1 Standard



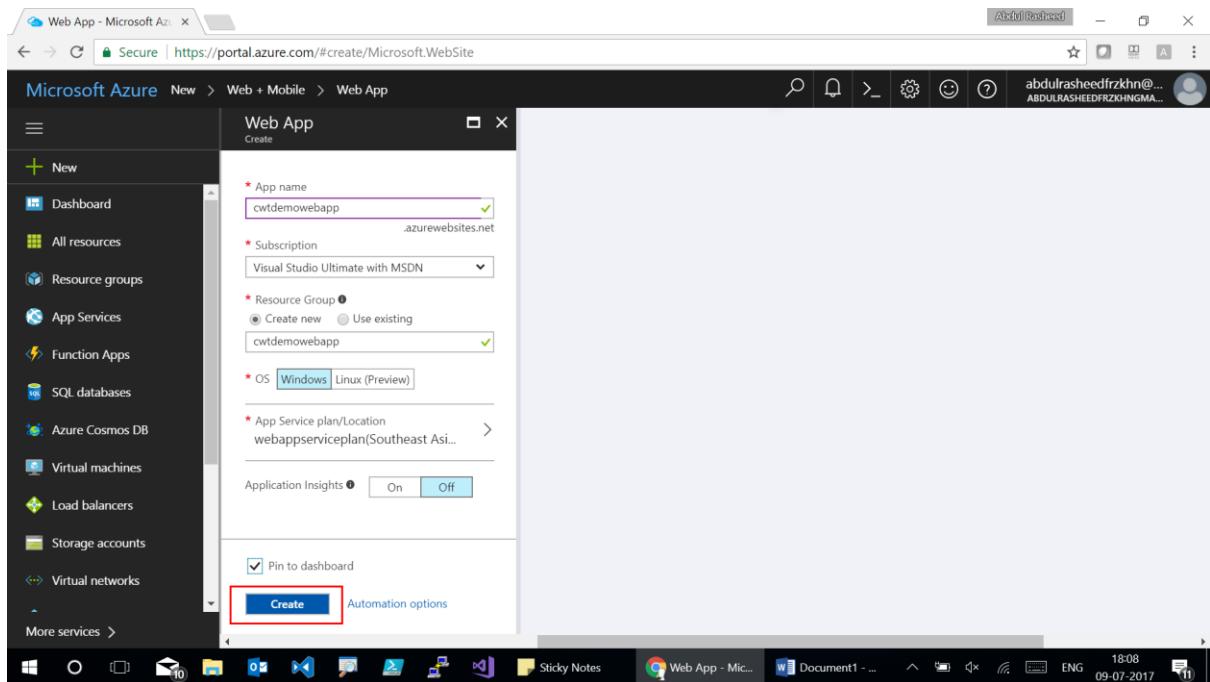
Click on “Select” to select the specified App Service Pricing Tier.



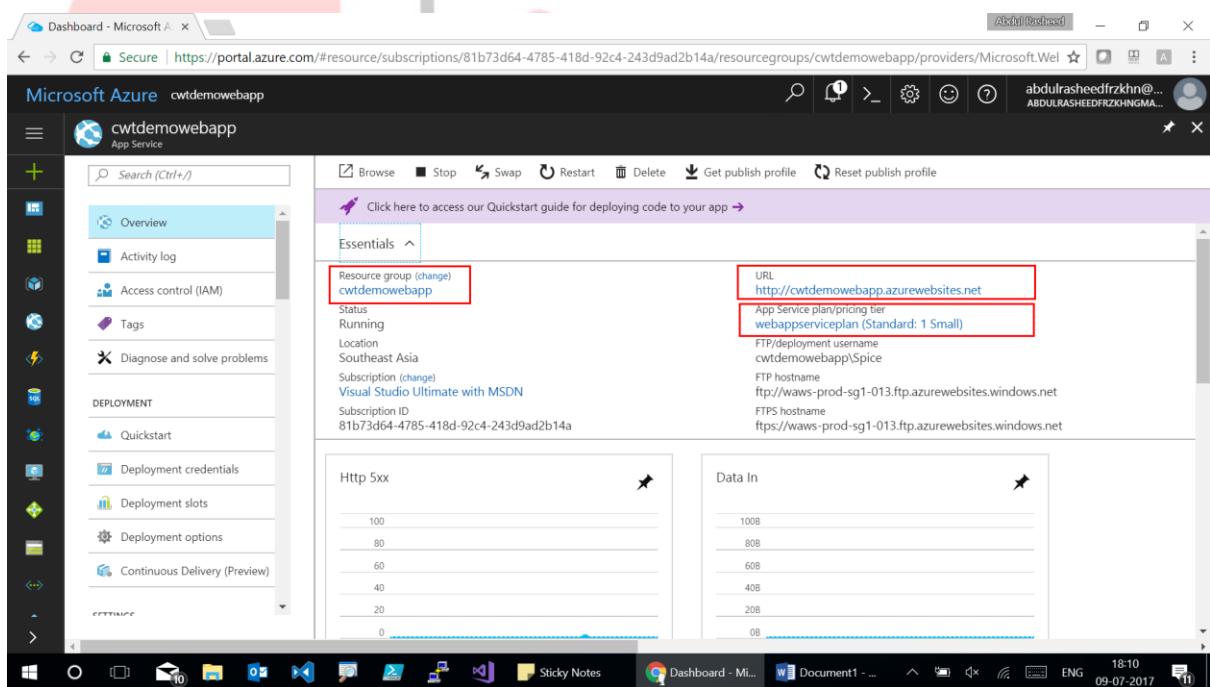
Click on “OK” after configuring the New App Service Plan.



Now click on “Create” to create the WebApp.



Here goes the WebApp created, you can also find the Resource Group name, URL of the WebApp and App Service Plan configured on the Overview blade of the WebApp created.



You also have a feature of scaling in and scaling out with the App Service Tier which you have specified now. You can always scale in and scale out depends upon the need of your webapp with help of these features.

The screenshot shows the Microsoft Azure portal interface for an App Service named 'cwtdemowebapp'. The left sidebar lists various settings like Authentication / Authorization, Backups, Custom domains, SSL certificates, Networking, Scale up (App Service plan), and Scale out (App Service plan). The 'Scale up (App Service plan)' option is highlighted with a red box. The main pane displays the app's status as 'Running' in 'Southeast Asia' with a 'Standard: 1 Small' plan. It also shows the URL <http://cwtdemowebapp.azurewebsites.net> and FTP details. Below the status, there are two charts: 'Http 5xx' and 'Data In', both showing low error counts.

Exercise 2 – Hosting a Web App using File Explorer.

Follow the below create an HTML file and to host it using a File Explorer:

Step – 03:

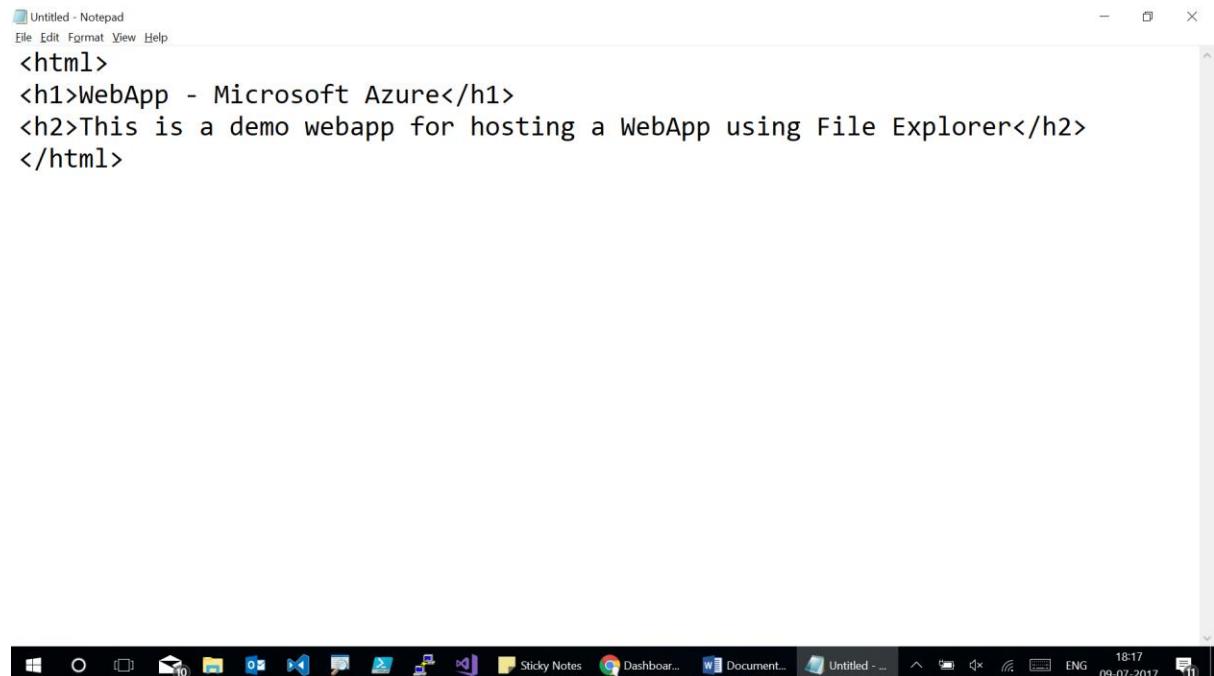
Open Notepad on your machine and create a HTML file. Run → notepad.

The screenshot shows the Microsoft Azure portal for the same 'cwtdemowebapp' app. The left sidebar has 'Overview' selected. A 'Run' dialog box is open in the foreground, prompting the user to type a program name. The text 'notepad' is typed into the 'Open:' field. The main pane shows the app's status and deployment details, including the URL <http://cwtdemowebapp.azurewebsites.net>.

Copy the below HTML code to create a basic webapp.

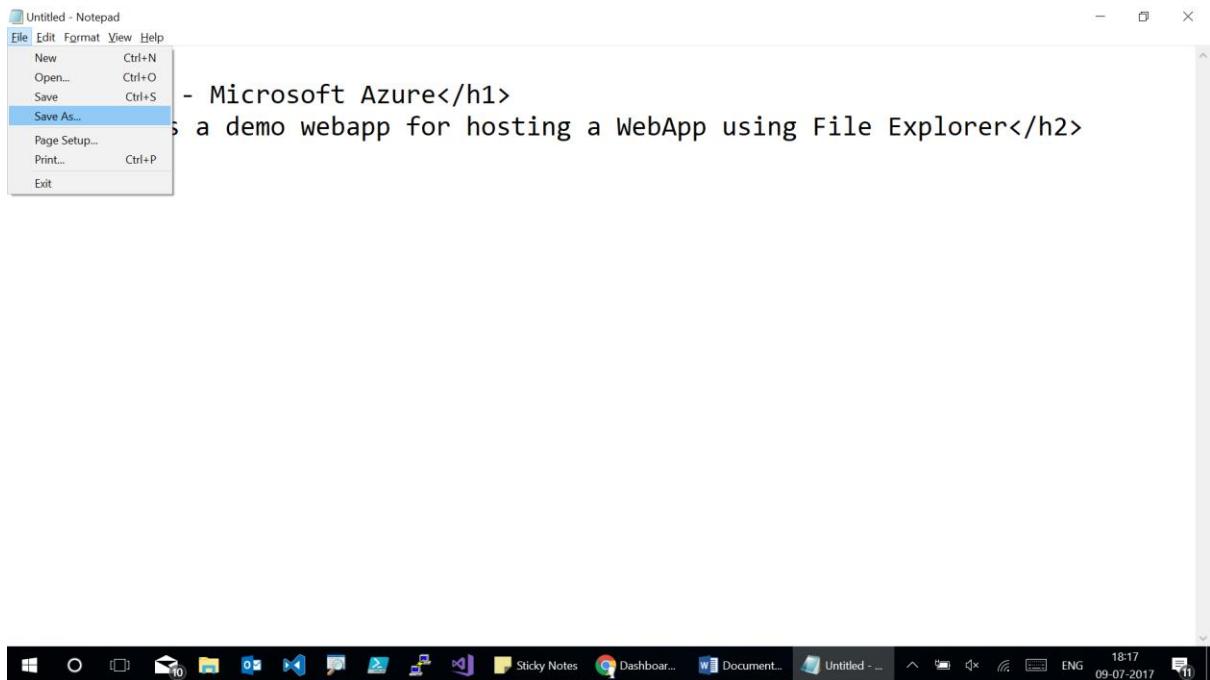
Index.html:

```
<html>  
<h1>WebApp - Microsoft Azure</h1>  
<h2>This is a demo webapp for hosting a WebApp using File Explorer</h2>  
</html>
```



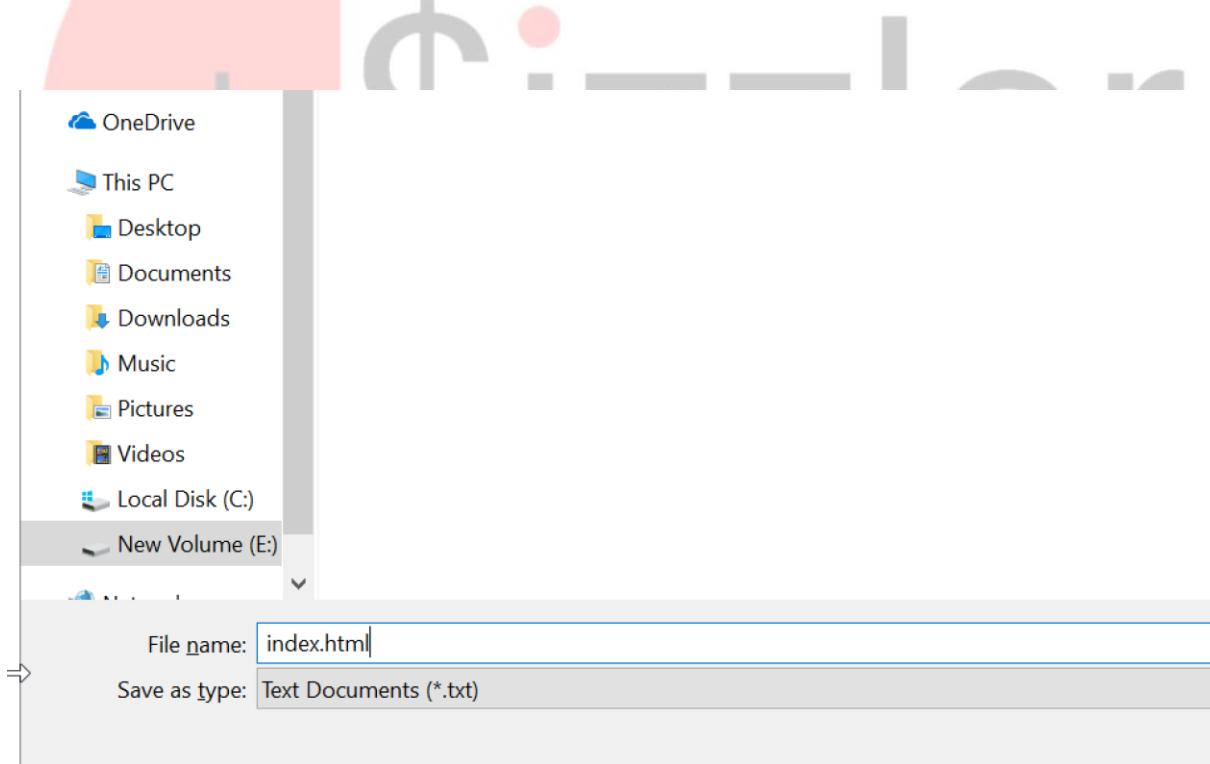
Save the notepad file as a HTML one using Save As with the format of HTML.

File → Save As

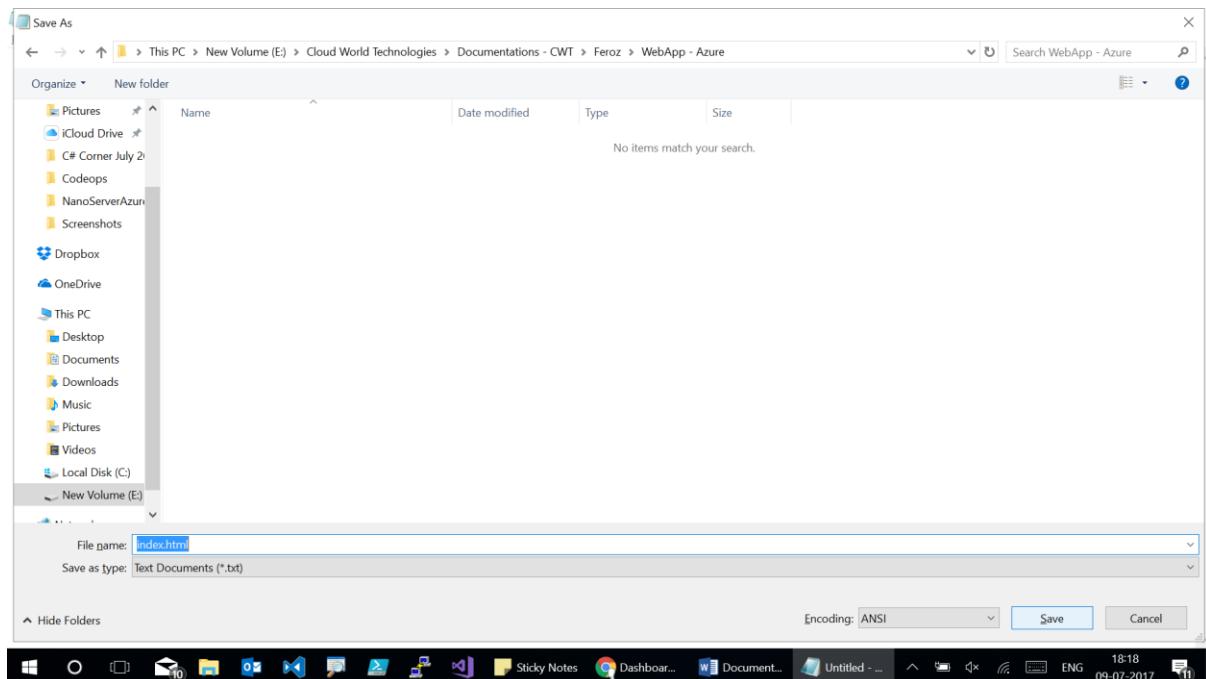


Name the file with html extension to save.

Name: index.html



Click on Save.



Step – 04:

Download the Publish Profile of your WebApp to get the FTP details of your WebApp, Click here at “Get Publish Profile” to download the publish profile.

The screenshot shows the Microsoft Azure portal interface for the 'cwtdemowebapp' App Service. The 'Get publish profile' button is highlighted with a red box. The 'Essentials' section provides deployment details:

- Resource group (change): cwtdemowebapp
- Status: Running
- Location: Southeast Asia
- Subscription (change): Visual Studio Ultimate with MSDN
- Subscription ID: 81b73d64-4785-418d-92c4-243d9ad2b14a
- URL: <http://cwtdemowebapp.azurewebsites.net>
- App Service plan/pricing tier: webappserviceplan (Standard: 1 Small)
- FTP/deployment username: cwtdemowebapp\Spice
- FTP hostname: ftp://waws-prod-sg1-013.ftp.azurewebsites.windows.net
- FTPS hostname: https://waws-prod-sg1-013.ftp.azurewebsites.windows.net

Here at the downloads pane you can find the ftp file which is getting downloaded.

Open the downloaded file using notepad to find the ftp file information. Copy the publishUrl, Username and Password from the downloaded ftp file to get connected with the root access of the webapp.

Here in the below image we are copying the publishurl.

```

<publishData><publishProfile profileName="cwtdemowebapp - Web Deploy"
publishMethod="MSDeploy" publishUrl="cwtdemowebapp.scm.azurewebsites.net:443"
msdeploySite="cwtdemowebapp" userName="$cwtdemowebapp"
userPWD="pfJCfoD48LEmDSAmpDsbsNRgyQ2G5yGQFZj99r5WqxN6kTkdRhrp6dMcLtqE"
destinationAppUrl="http://cwtdemowebapp.azurewebsites.net"
SQLServerDBConnectionString="" mySQLDBConnectionString=""
hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites"><databases /></publishProfile><publishProfile
profileName="cwtdemowebapp - FTP" publishMethod="FTP" publishUrl="ftp://waws-
prod-sg1-013.ftp.azurewebsites.windows.net/site/wwwroot" ftpPassiveMode="True"
userName="cwtdemowebapp\$cwtdemowebapp"
userPWD="pfJCfoD48LEmDSAmpDsbsNRgyQ2G5yGQFZj99r5WqxN6kTkdRhrp6dMcLtqE"
destinationAppUrl="http://cwtdemowebapp.azurewebsites.net"
SQLServerDBConnectionString="" mySQLDBConnectionString=""
hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites"><databases /></publishProfile></publishData>

```

Username over here.



```
cwtdemowebapp - Notepad
File Edit Format View Help
<publishData><publishProfile profileName="cwtdemowebapp - Web Deploy"
publishMethod="MSDeploy" publishUrl="cwtdemowebapp.scm.azurewebsites.net:443"
msdeploySite="cwtdemowebapp" userName="$cwtdemowebapp"
userPWD="pfJCfoD48LEmDSAmpDsbsNRgyQ2G5yGQFZj99r5WqxN6kTkdRhrp6dMcLtqE"
destinationAppUrl="http://cwtdemowebapp.azurewebsites.net"
SQLServerDBConnectionString="" mySQLDBConnectionString=""
hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites">< databases /></publishProfile><publishProfile
profileName="cwtdemowebapp - FTP" publishMethod="FTP" publishUrl="ftp://waws-
prod-sg1-013.ftp.azurewebsites.windows.net/site/wwwroot" ftpPassiveMode="True"
userName="cwtdemowebapp\$cwtdemowebapp"
userPWD="pfJCfoD48LEmDSAmpDsbsNRgyQ2G5yGQFZj99r5WqxN6kTkdRhrp6dMcLtqE"
destinationAppUrl="http://cwtdemowebapp.azurewebsites.net"
SQLServerDBConnectionString="" mySQLDBConnectionString=""
hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites">< databases /></publishProfile></publishData>
```



User Password over here.

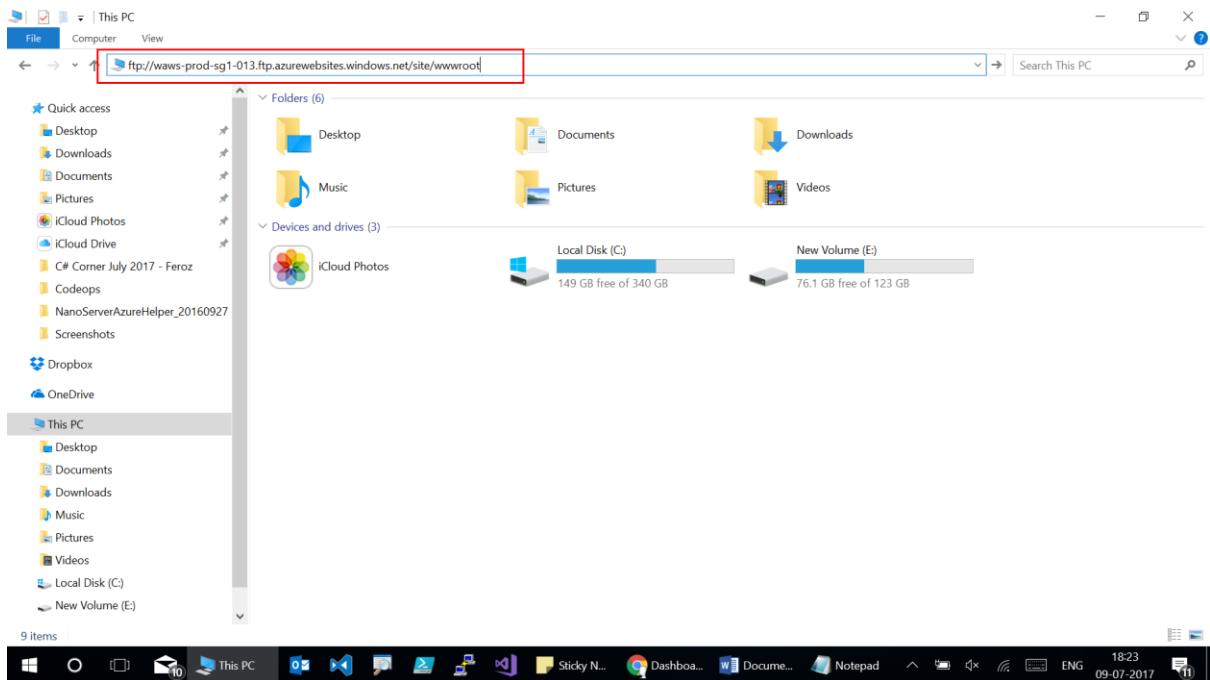


```
cwtdemowebapp - Notepad
File Edit Format View Help
<publishData><publishProfile profileName="cwtdemowebapp - Web Deploy"
publishMethod="MSDeploy" publishUrl="cwtdemowebapp.scm.azurewebsites.net:443"
msdeploySite="cwtdemowebapp" userName="$cwtdemowebapp"
userPWD="pfJCfoD48LEmDSAmpDsbsNRgyQ2G5yGQFZj99r5WqxN6kTkdRhrp6dMcLtqE"
destinationAppUrl="http://cwtdemowebapp.azurewebsites.net"
SQLServerDBConnectionString="" mySQLDBConnectionString=""
hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites">< databases /></publishProfile><publishProfile
profileName="cwtdemowebapp - FTP" publishMethod="FTP" publishUrl="ftp://waws-
prod-sg1-013.ftp.azurewebsites.windows.net/site/wwwroot" ftpPassiveMode="True"
userName="cwtdemowebapp\$cwtdemowebapp"
userPWD="pfJCfoD48LEmDSAmpDsbsNRgyQ2G5yGQFZj99r5WqxN6kTkdRhrp6dMcLtqE"
destinationAppUrl="http://cwtdemowebapp.azurewebsites.net"
SQLServerDBConnectionString="" mySQLDBConnectionString=""
hostingProviderForumLink="" controlPanelLink="http://windows.azure.com"
webSystem="WebSites">< databases /></publishProfile></publishData>
```

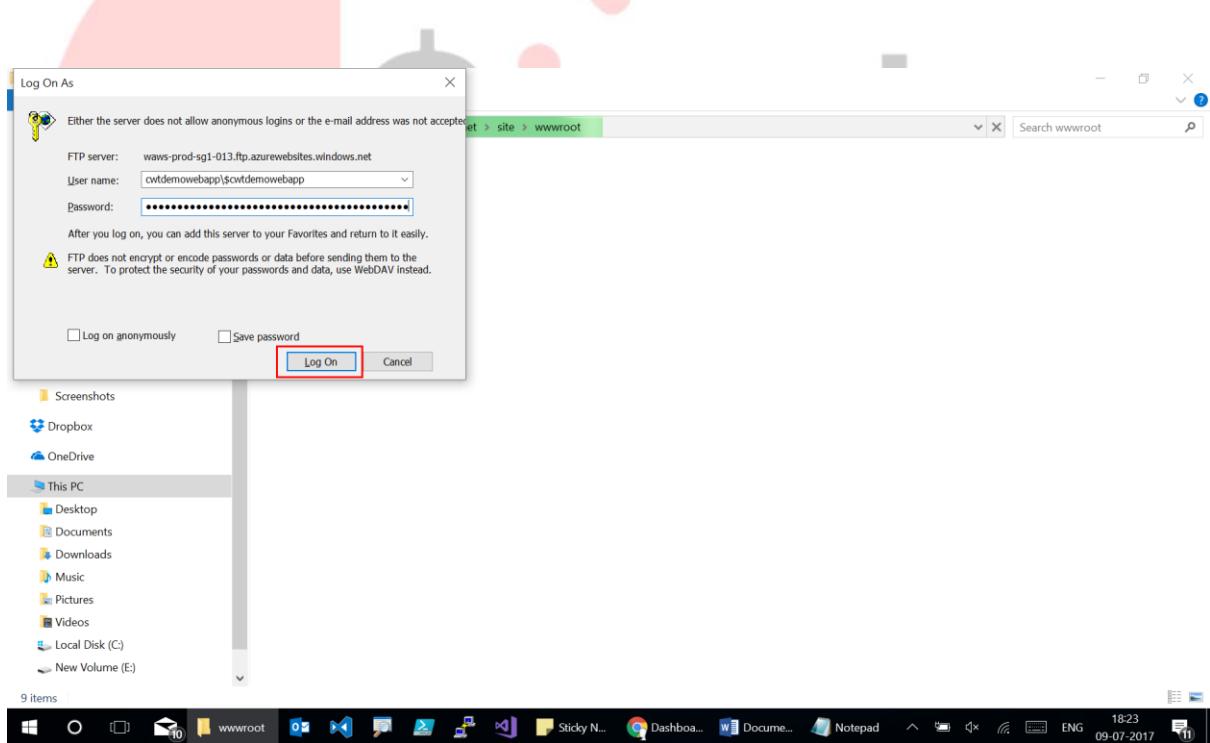


Step – 05:

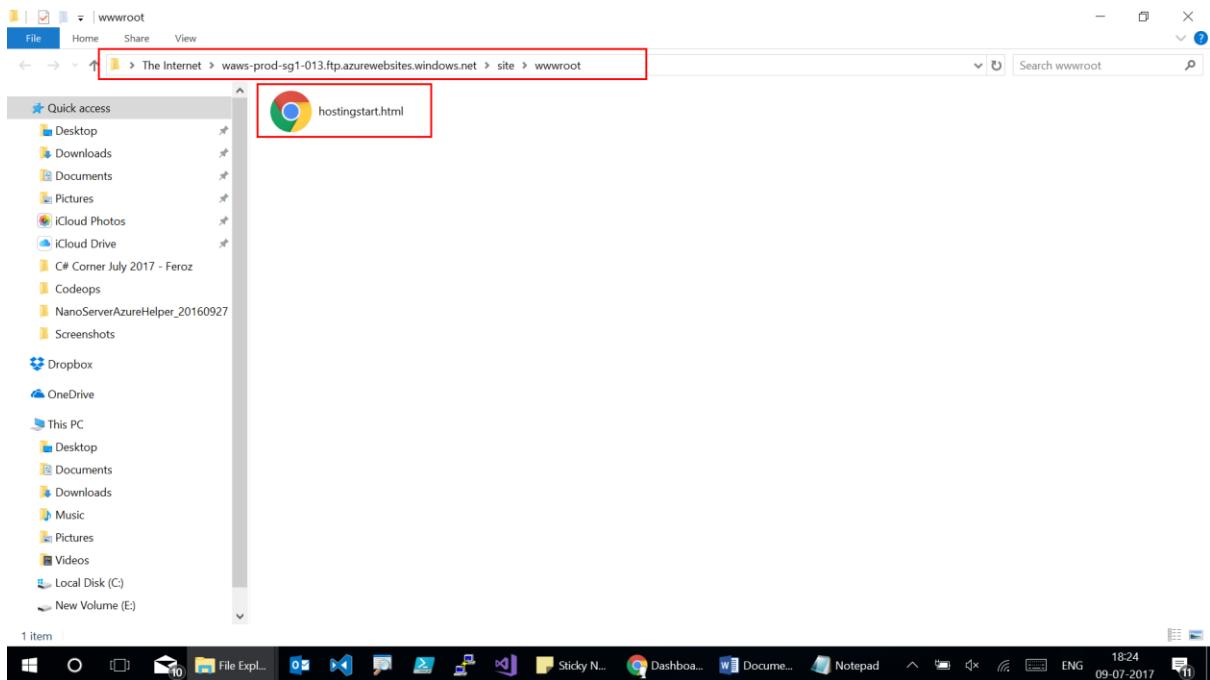
Open File Explorer and paste the Publish URL to get connected.



Provide the Username and Password which we copied before and followed by a click at “Log On”.

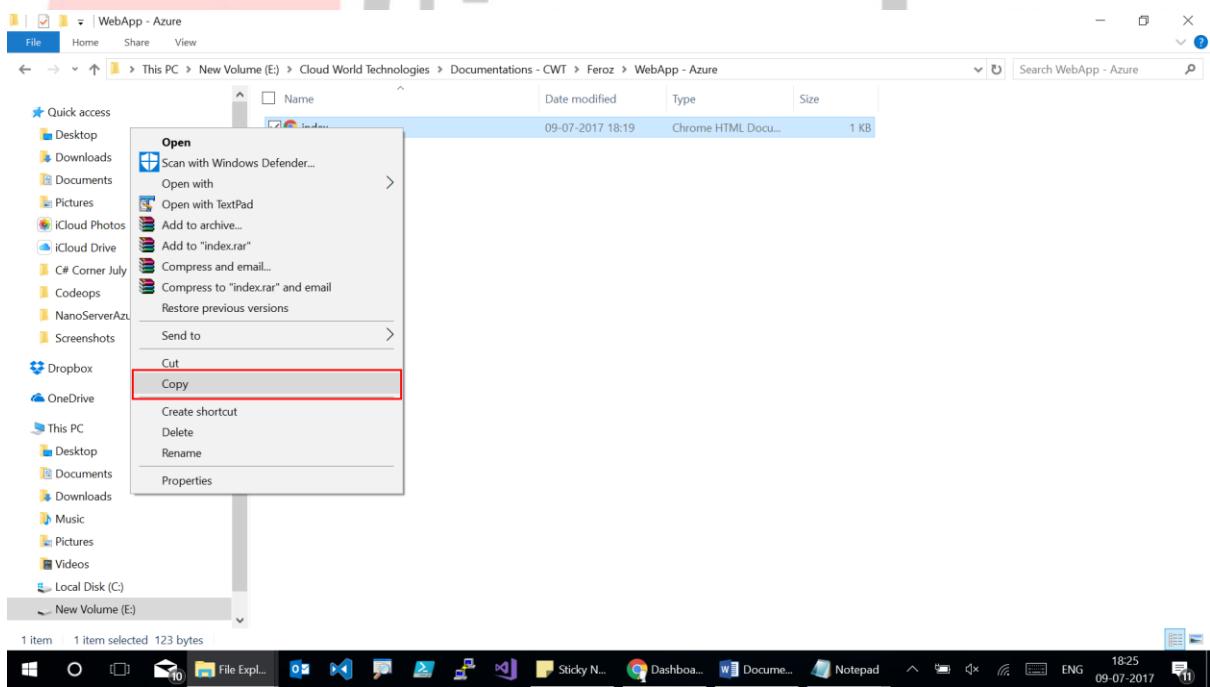


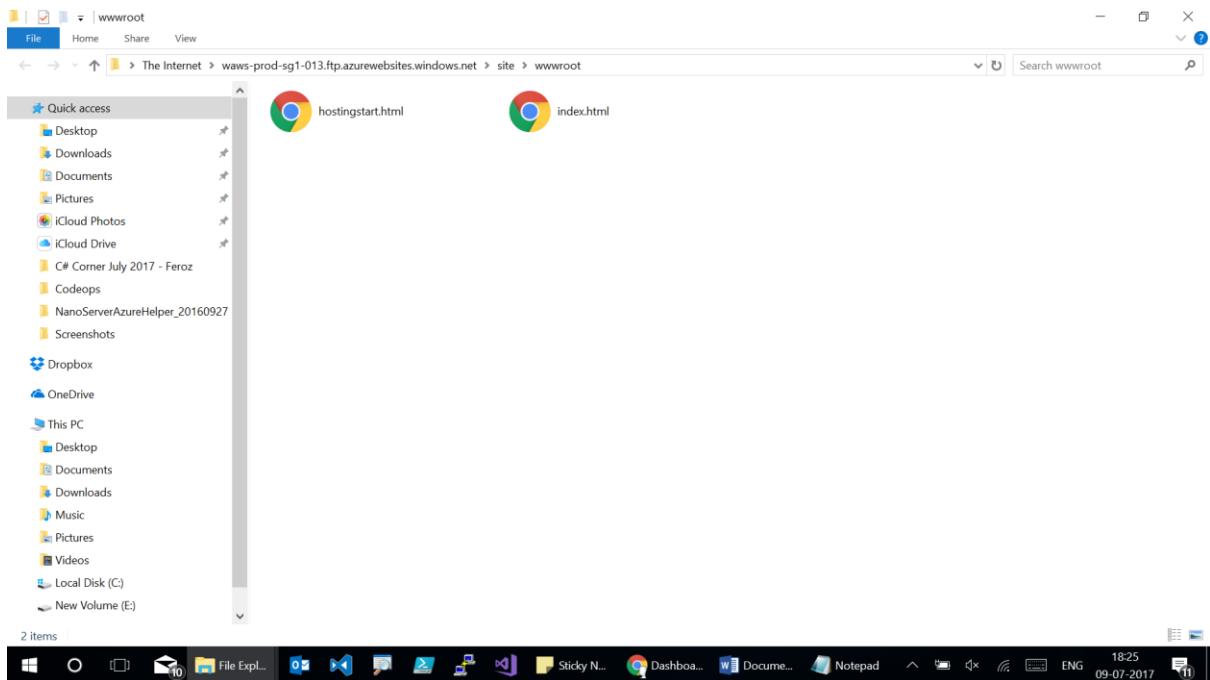
Now you can find the File Explorer has been logged on to the webapp towards the root folder where we have a default template of hostingstart.html



Step – 06:

Copy the index.html file which we created before and paste it on the root folder of the webapp which has been logged on.





Now click on the URL of the WebApp by which you can find the newly published HTML file.

The screenshot shows the Microsoft Azure portal's App Service blade for the 'cwtdemowebapp' application. The URL of the web app is displayed as <http://cwtdemowebapp.azurewebsites.net>. The portal has a dark theme with a sidebar on the left containing icons for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Deployment (Quickstart, Deployment credentials, Deployment slots, Deployment options, Continuous Delivery (Preview)), and Settings. The main area shows the 'Essentials' section with details about the resource group (cwtdemowebapp), status (Running), location (Southeast Asia), and subscription (Visual Studio Ultimate with MSDN). It also lists the app service plan (webappserviceplan, Standard: 1 Small), FTP deployment username (cwtdemowebapp\$Spice), and hostnames (ftp://waws-prod-sg1-013.ftp.azurewebsites.windows.net, https://waws-prod-sg1-013.ftp.azurewebsites.windows.net).

Here goes your WebApp on the below image which has been published!!



WebApp - Microsoft Azure

This is a demo webapp for hosting a WebApp using File Explorer



You can also Scale Up for the other app service plans using the scale up feature which is available on the master blades of WebApps, use Scale Down again to get down for smaller app service plans over here.

Tier	Core	RAM	Storage	Custom domains / SSL	Up to 20 instance(s)	Subject to availability	20 slots	Web app staging	50 times daily	Backup	Traffic Manager	Geo availability
P1 Premium	1	1.75 GB RAM	250 GB Storage	SNI Incl & IP SSL Support	Up to 20 instance(s)	Subject to availability	20 slots	Web app staging	50 times daily	Backup	Traffic Manager	Geo availability
P2 Premium	2	3.5 GB RAM	250 GB Storage	SNI Incl & IP SSL Support	Up to 20 instance(s)	Subject to availability	20 slots	Web app staging	50 times daily	Backup	Traffic Manager	Geo availability
P3 Premium	4	7 GB RAM	250 GB Storage	SNI Incl & IP SSL Support	Up to 20 instance(s)	Subject to availability	20 slots	Web app staging	50 times daily	Backup	Traffic Manager	Geo availability
S1 Standard	1	1.75 GB RAM	50 GB Storage	SNI Incl & IP SSL Support	Up to 20 instance(s)	Subject to availability	20 slots	Web app staging	50 times daily	Backup	Traffic Manager	Geo availability
S2 Standard	2	3.5 GB RAM	50 GB Storage	SNI Incl & IP SSL Support	Up to 20 instance(s)	Subject to availability	20 slots	Web app staging	50 times daily	Backup	Traffic Manager	Geo availability
S3 Standard	4	7 GB RAM	50 GB Storage	SNI Incl & IP SSL Support	Up to 20 instance(s)	Subject to availability	20 slots	Web app staging	50 times daily	Backup	Traffic Manager	Geo availability

Exercise 3 – Creating a Slot from Azure Portal.

Deployment Slot helps you to create a slot in the master Azure WebApp which you have created, you can add data over that and you can swap at any time to move the data between different slots or versions of the website.

Step – 07:

Click on the Deployment Slots to move for the deployment slot.

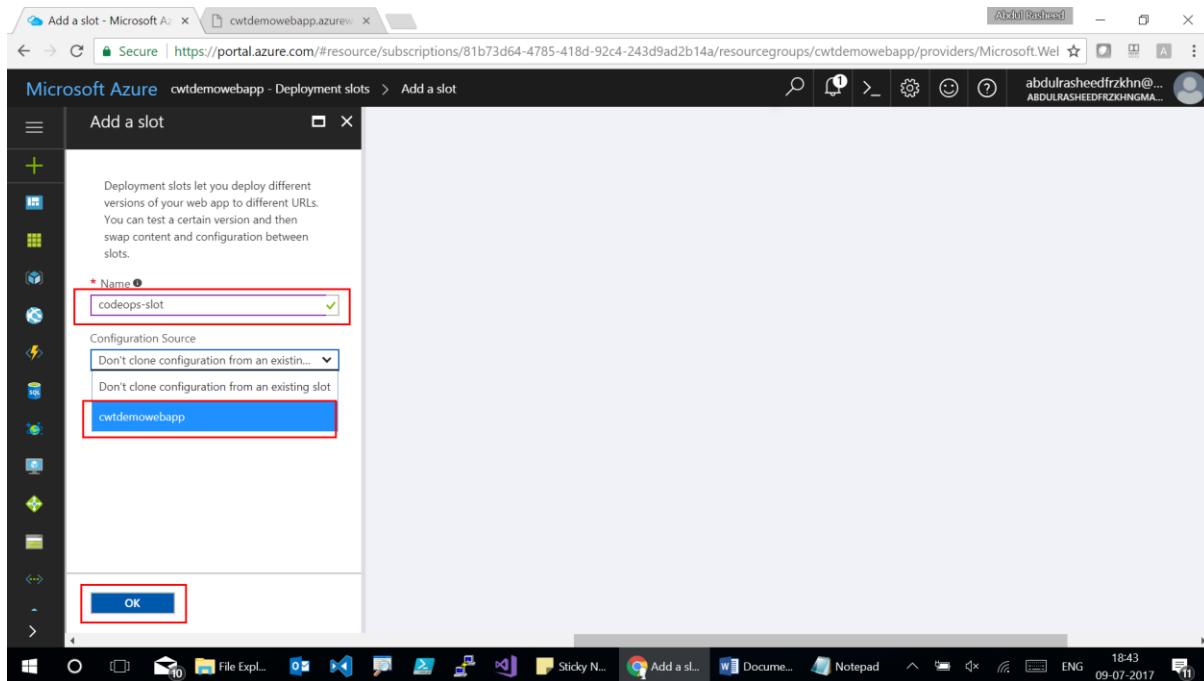
The screenshot shows the Microsoft Azure portal interface. The left sidebar has a 'Deployment slots' option highlighted with a red box. The main content area shows the 'Essentials' section for the 'cwtdemowebapp' app service. It includes details like Resource group (cwtdemowebapp), Status (Running), Location (Southeast Asia), and various service endpoints like FTP and Data In. The URL is listed as http://cwtdemowebapp.azurewebsites.net.

Click on Add Slot on the Deployment Slot.

The screenshot shows the Microsoft Azure portal interface, specifically the 'Deployment slots' management page for the 'cwtdemowebapp' app service. The '+ Add Slot' button is highlighted with a red box. The left sidebar shows the 'Deployment slots' option selected. The main content area displays a table with columns for NAME, STATUS, and APP SERVICE PLAN, with a note indicating 'You haven't added any deployment slots. Click ADD SLOT to get started.'

Name the slot to the WebApp which has been created, here I have named it as codeops-slot followed by the configuration source.

Once after the deployment slot has been configured click on OK to create the Deployment Slot.



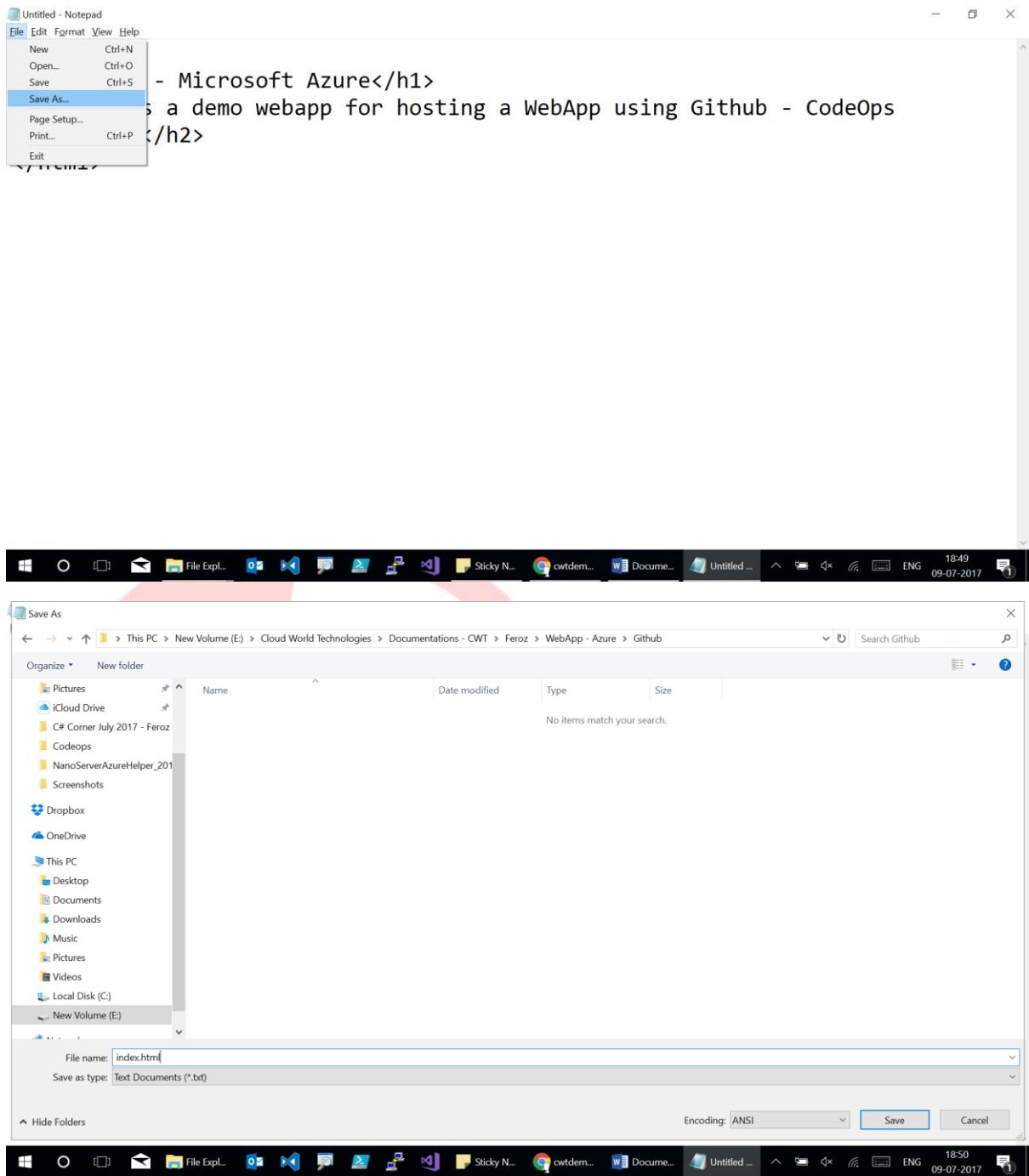
Step – 08:

Create a new HTML file with the updated version as shown below:

Index.html:

```
<html>
<h1>WebApp - Microsoft Azure</h1>
<h2>This is a demo webapp for hosting a WebApp using Github - CodeOps Conference</h2>
</html>
```

Click on File → Save As and save the file with the name of index.html

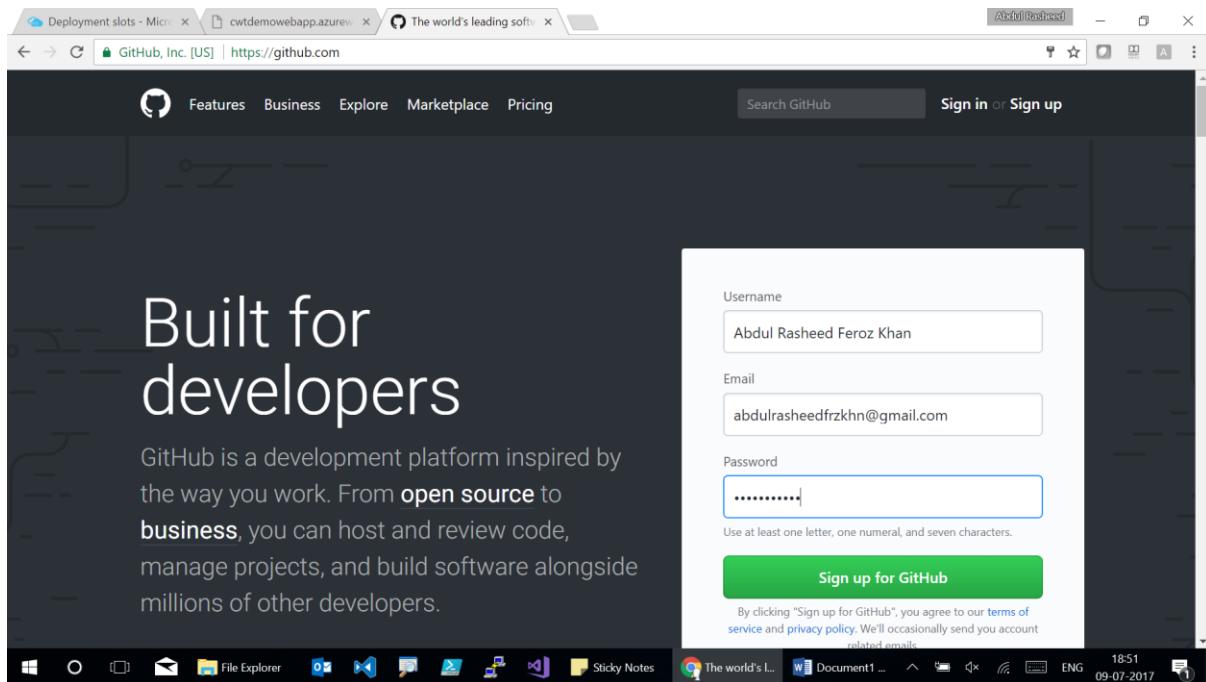


Step – 09:

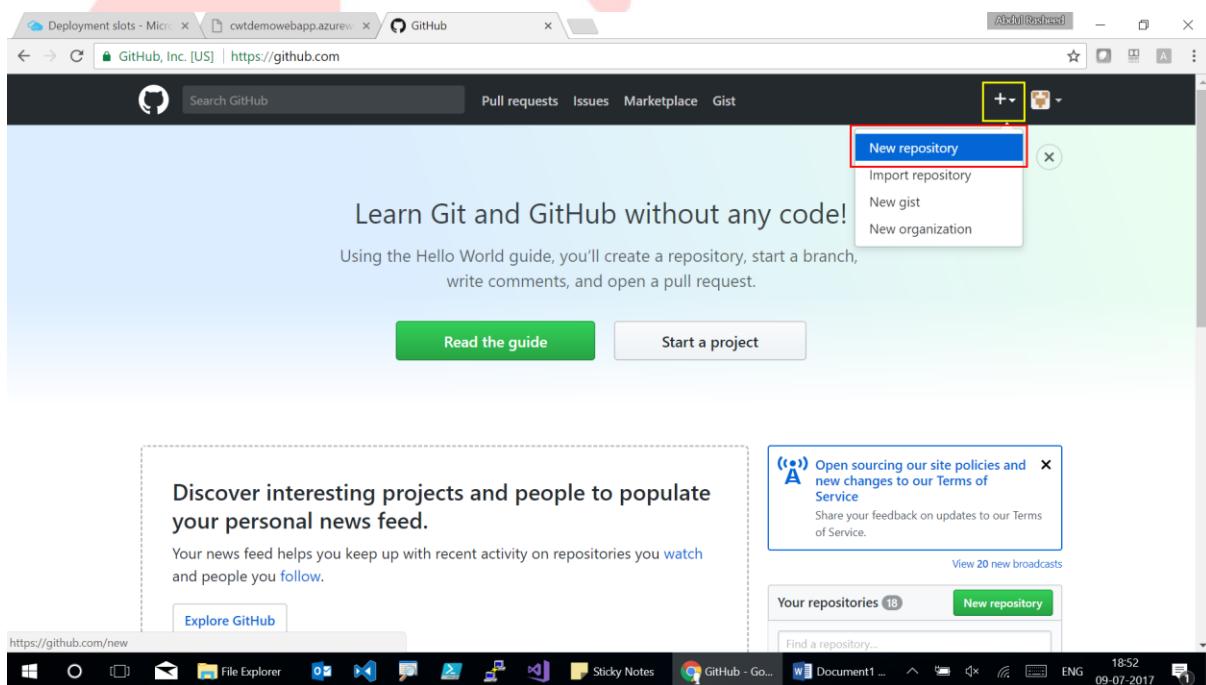
Lets move this WebApp HTML file which has been created towards an Online repository say for example GitHub as shown:

Link for GitHub - <https://github.com/>

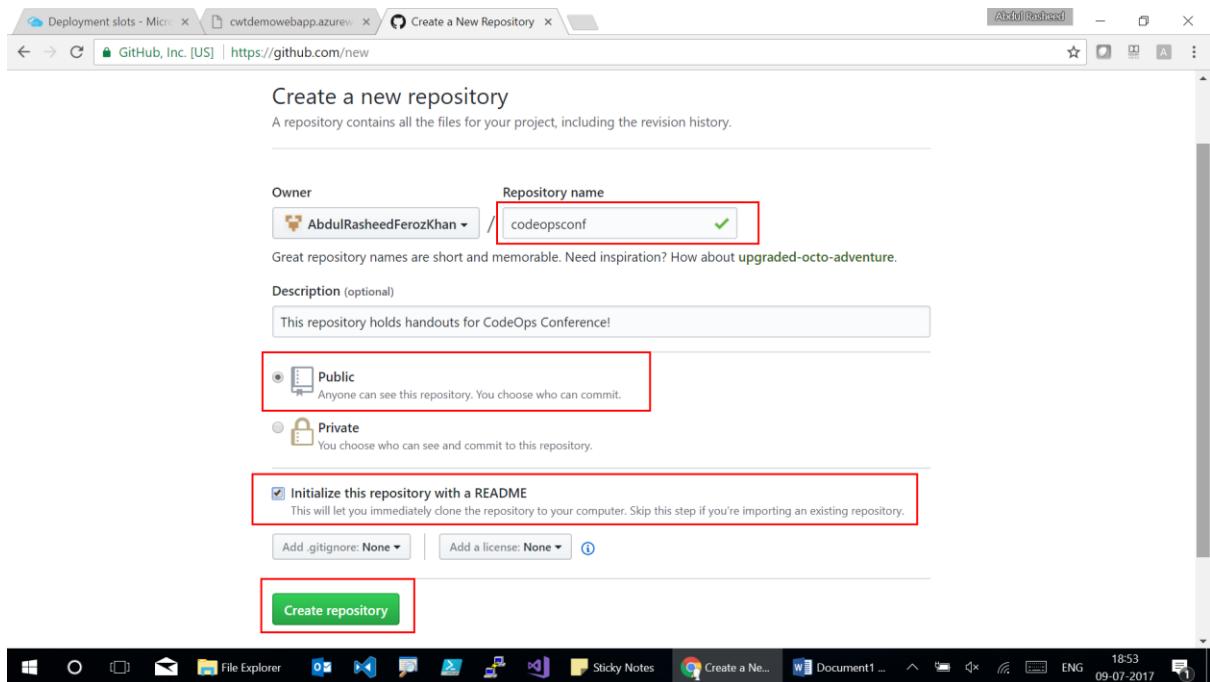
Sign up for a new account on GitHub over here.



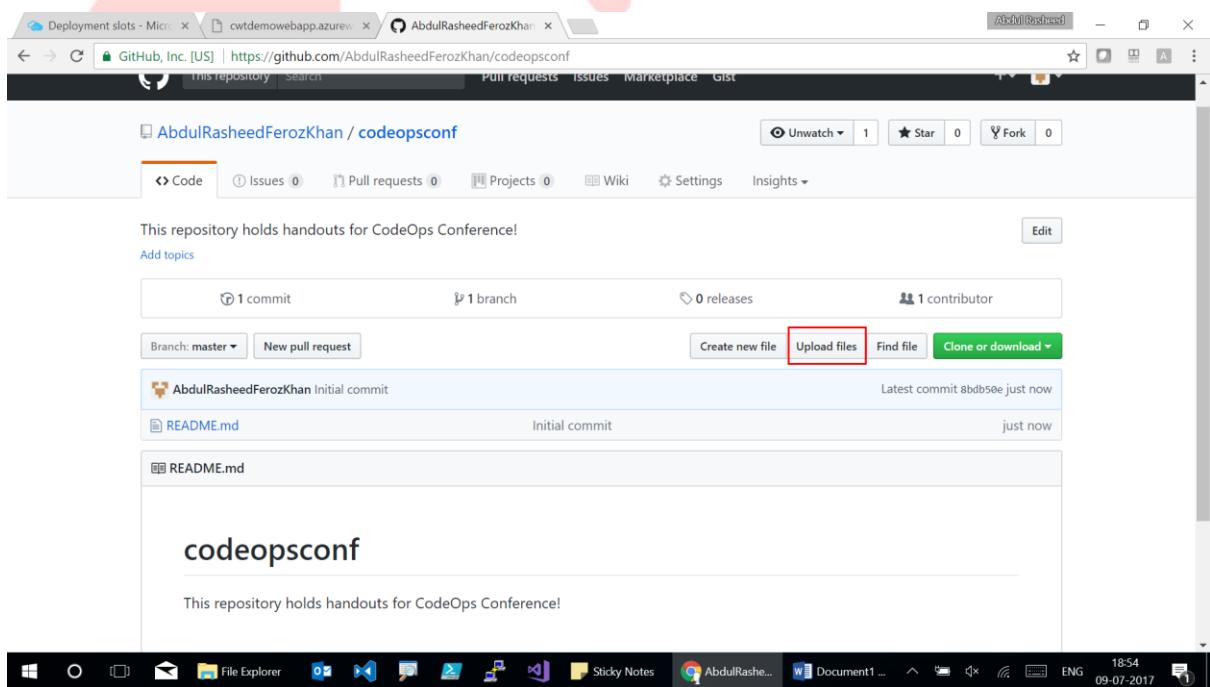
Create a New Repository by clicking on New Repository.



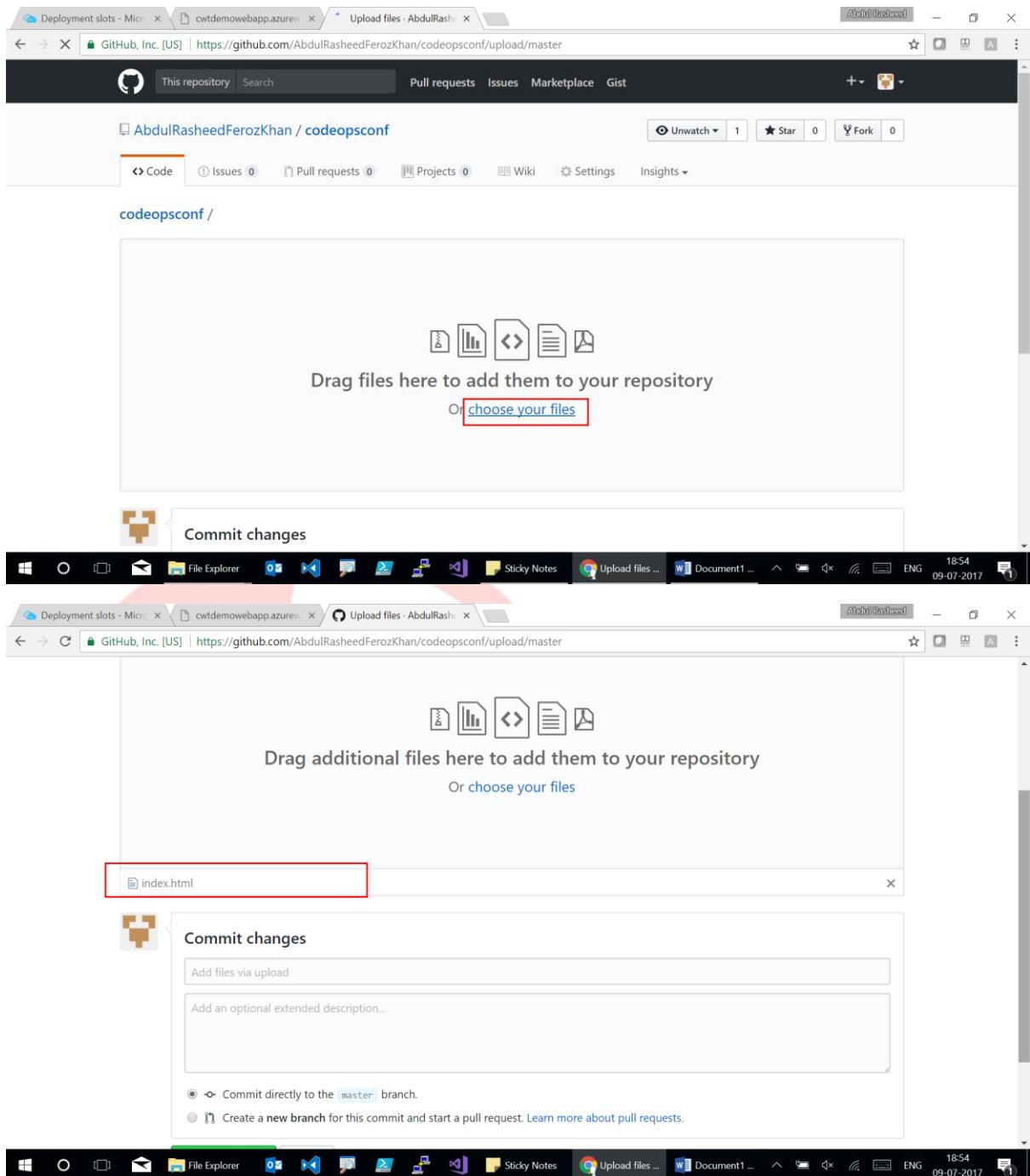
Name the Repository Name, make it as Public and initialize the repository with a README followed by a click on Create Repository.



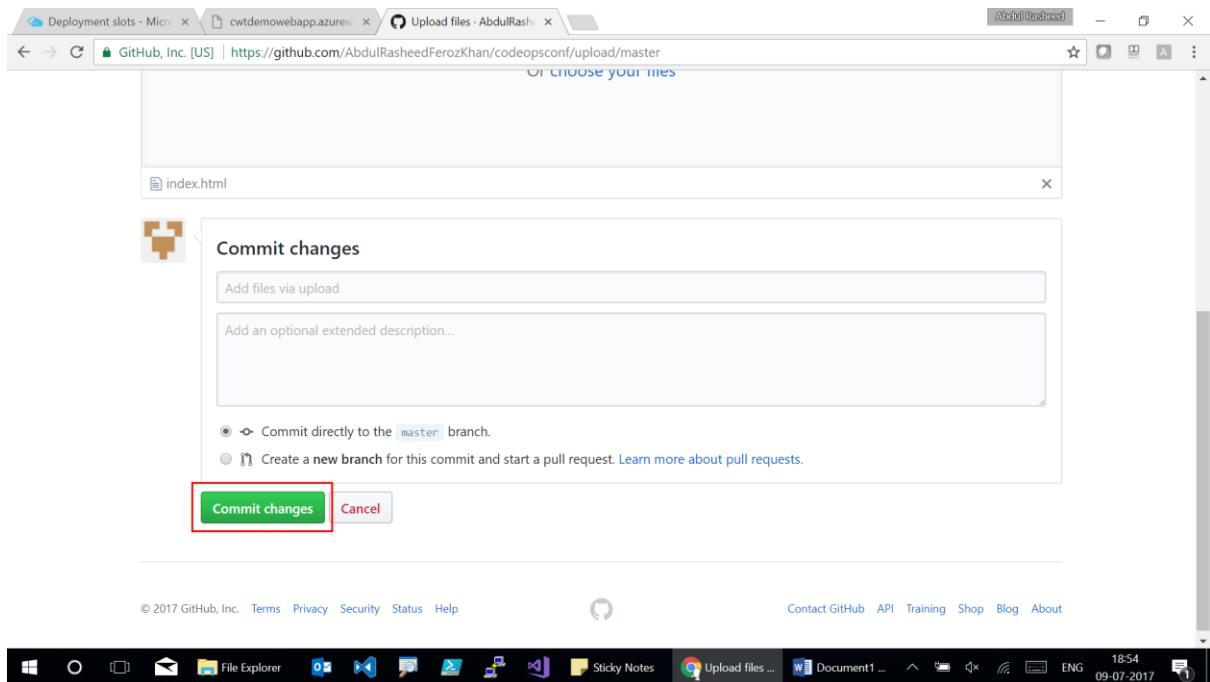
Click on Upload Files to upload the files at your Online Repository account.



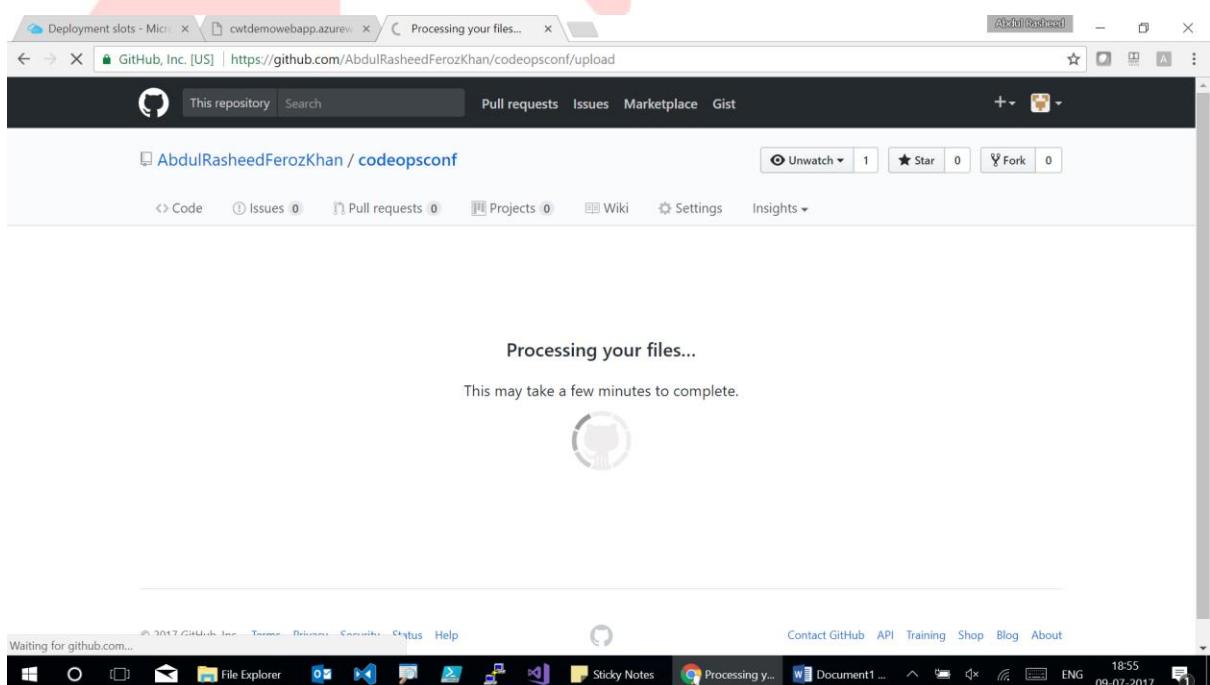
Either choose your files or drag and drop the files to share it on the Online Repository account.



Click on Commit Changes to confirm it.



Here your files get processed for getting committed.



Now your html file has been uploaded on the Online Repository.

This screenshot shows a GitHub repository page for 'codeopsconf'. The repository has 2 commits, 1 branch, and 0 releases. It has 1 contributor. The 'index.html' commit is highlighted with a red box. The commit details show it was committed by AbdulRasheedFerozKhan on 09-07-2017 at 18:57. The commit message is 'Add files via upload'.

Move back to the Azure Portal and click on the Deployment Slots you can find the new slot which was created before.

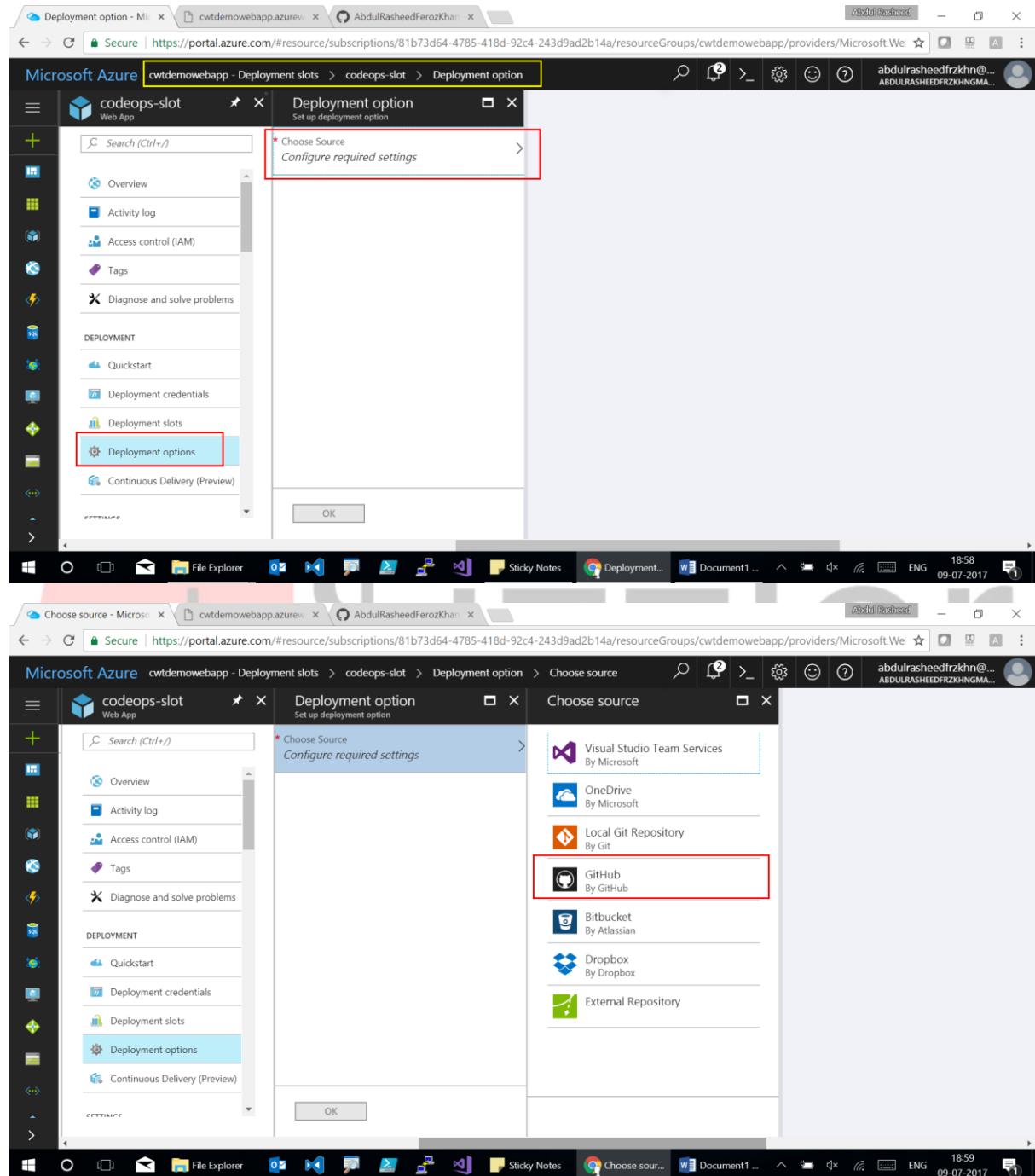
This screenshot shows the Microsoft Azure portal's deployment slots for the 'cwtdemowebapp' app service. The 'Deployment slots' blade is open, showing a table with one row. The row is highlighted with a red box. The table columns are NAME, STATUS, and APP SERVICE PLAN. The row contains 'cwtdemowebapp-codeops-slot', 'Running', and 'webappserviceplan'.

NAME	STATUS	APP SERVICE PLAN
cwtdemowebapp-codeops-slot	Running	webappserviceplan

Step – 10:

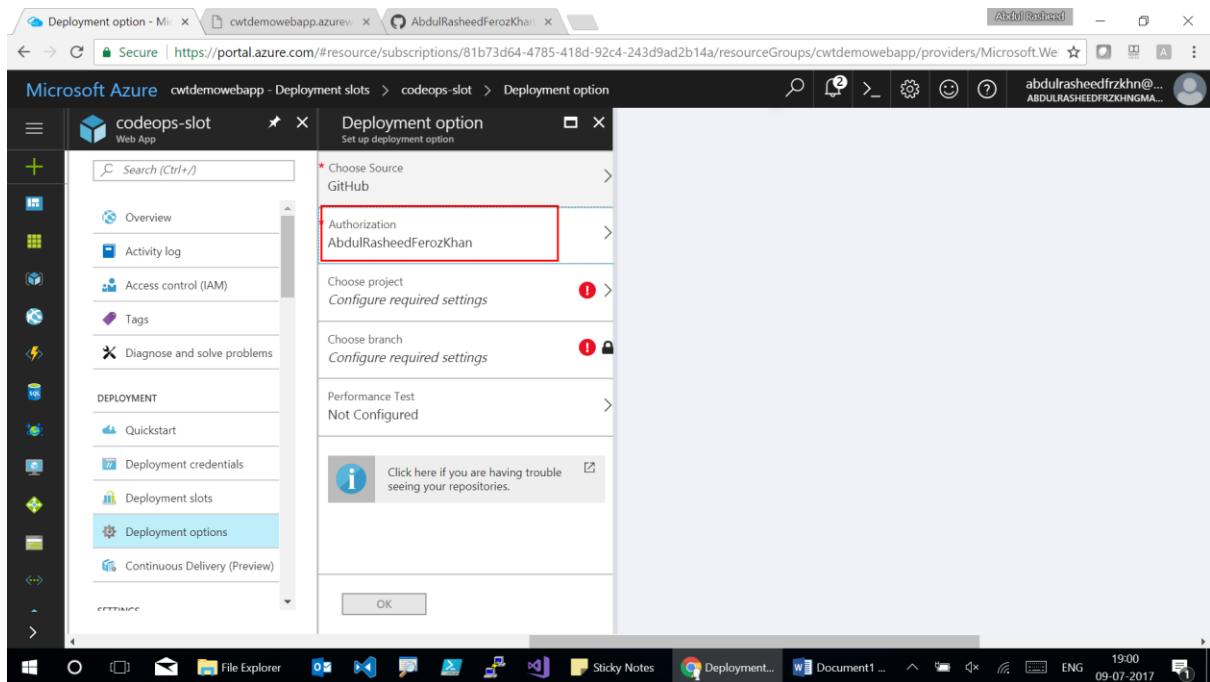
Go for Deployment Options to configure the Online repository of GitHub.

Deployment Options → Choose Source → GitHub.



The screenshot shows the Microsoft Azure portal interface. The left sidebar has a tree view with 'codeops-slot' selected under 'Web App'. The main content area shows 'Deployment option' settings. A sub-menu 'Choose source' is open, listing several options: Visual Studio Team Services, OneDrive, Local Git Repository, GitHub (highlighted with a red box), Bitbucket, Dropbox, and External Repository. The GitHub option is described as 'By GitHub'.

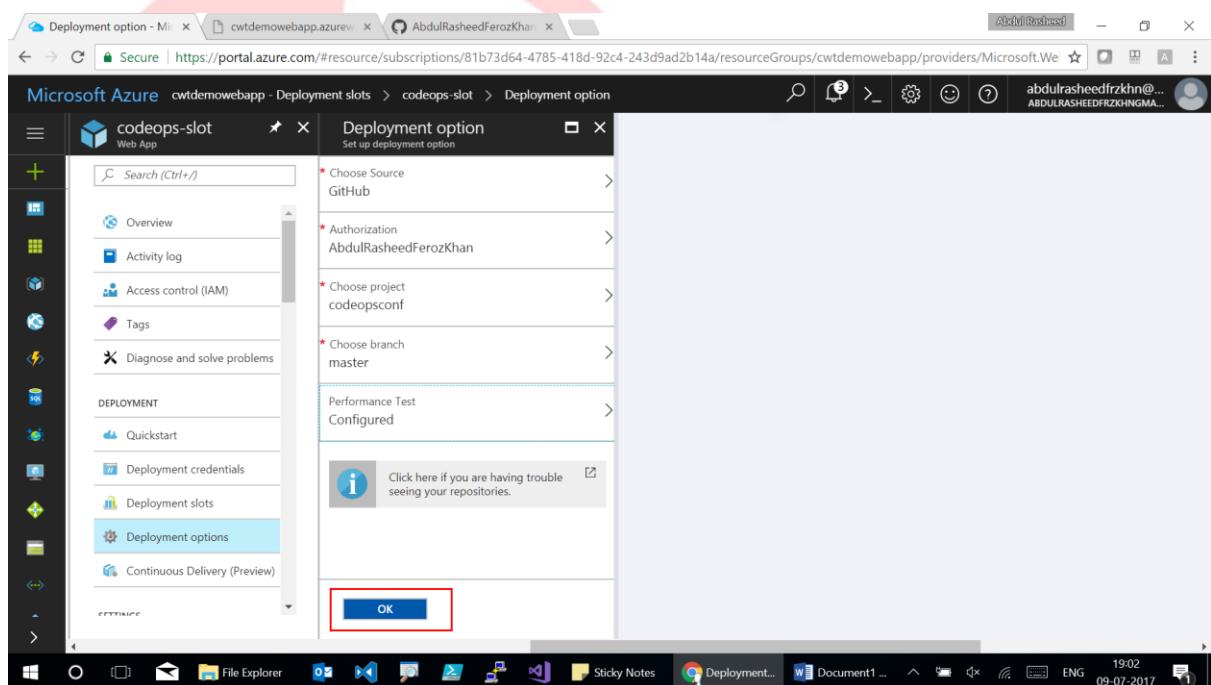
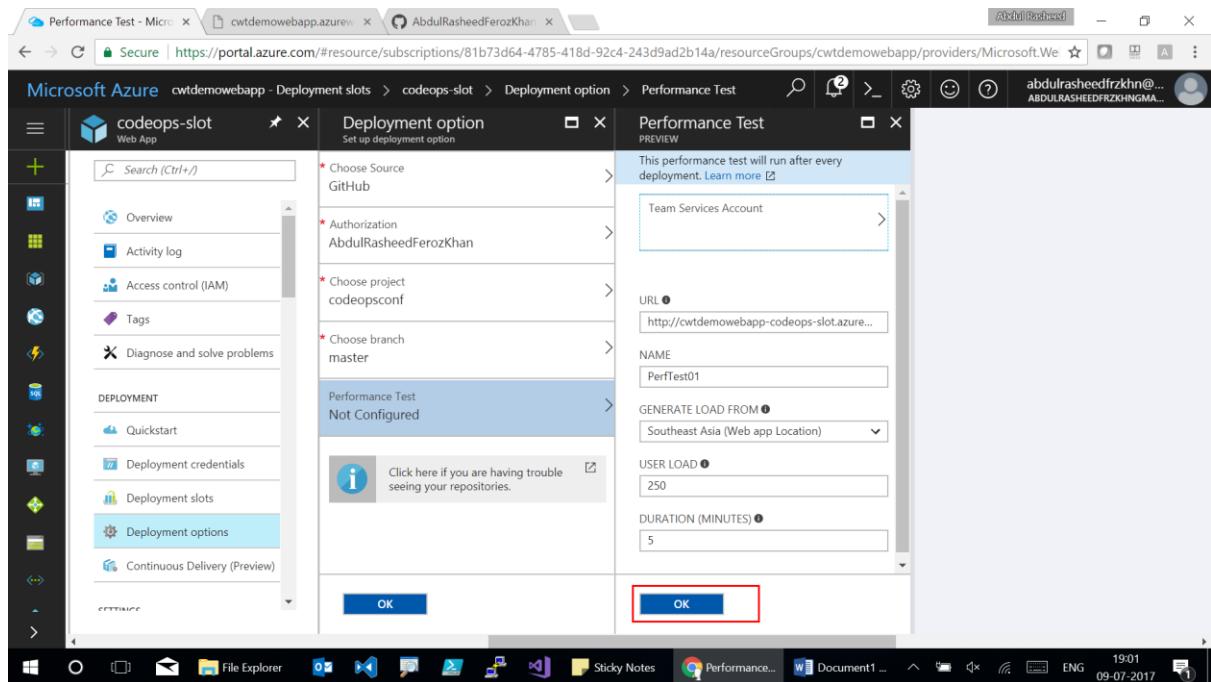
Authorize with your GitHub account.



Choose Project → your project repository.

A screenshot of the Microsoft Azure portal showing the 'Choose project' step. The URL in the address bar is 'https://portal.azure.com/#resource/subscriptions/81b73d64-4785-418d-92c4-243d9ad2b14a/resourceGroups/cwtdemowebapp/providers/Microsoft.Web/sites/codeops-slot/deploymentoptions'. The navigation path is 'Deployment slots > codeops-slot > Deployment option > Choose project'. The main content area shows a 'Choose project' dialog with a search bar containing 'codeopsconf'. A red box highlights the search bar. Below the search bar, there is a list of project names: 'adobe', 'demo532', 'wipro532', and 'infvhvd'. Each item is preceded by a small circular icon with a hand cursor.

Configure your Performance Test with the load, generation of the region for the load and the duration in time. Click on OK once after it's done.



Here goes the notification for the deployment source and performance test which was configured now.

Notifications

Dismiss: [Informational](#) [Completed](#) [All](#)

 Successfully set up deployment source 7:02 PM

Successfully set up deployment source for web app cwtdemowebapp(codeops-slot), using GitHub.

 Adding performance testing configurat... 7:02 PM

Successfully configured performance testing for CI

 VSTS Account created 7:02 PM

clt-5d692200-c2ca-4a45-af1c-53617986d6f9

 Successfully created deployment slot. 6:43 PM

Successfully created deployment slot codeops-slot for web app cwtdemowebapp.

 Deployments succeeded 6:09 PM

Deployment to resource group 'cwtdemowebapp' was successful.

Goto the Overview of the new Deployment Slot and click on the URL, this will take you for the new content of HTML file which has been hosted on the GitHub.

Microsoft Azure cwtdemowebapp - Deployment slots > codeops-slot

codeops-slot

Overview

Resource group (change)
cwtdemowebapp

Status
Running

Location
Southeast Asia

Subscription (change)
Visual Studio Ultimate with MSDN

Subscription ID
81b73d64-4785-418d-92c4-243d9ad2b14a

URL
<http://cwtdemowebapp-codeops-slot.azurewebsites.net>

App Service plan/pricing tier
webappserviceplan (Standard: 1 Small)

GitHub Project
<https://github.com/AbdulRasheedFerozKhan/codeopsconf>

Http 5xx

100
80
60
40
20
0

6:15 PM 6:30 PM 6:45 PM 7 PM

Data In

100B
80B
60B
40B
20B
0B

6:15 PM 6:30 PM 6:45 PM 7 PM

HTTP SERVER ERRORS

DEPLOYMENT

Quickstart

Deployment credentials

Deployment slots

Deployment options

Continuous Delivery (Preview)

File Expl... Sticky N... Dashboa... Documen... Snipping... ENG 19:03 09-07-2017

Dashboard - Microsoft A cwtdemowebapp-codeo cwtdemowebapp.azurew AbdulRasheedFerozKhan

cwtdemowebapp-codeops-slot.azurewebsites.net

WebApp - Microsoft Azure

This is a demo webapp for hosting a WebApp using Github - CodeOps Conference



Exercise 5 – Swap using Deployment Slots.

Swap allows you to get swapped between the different versions of the WebApp which has been created.

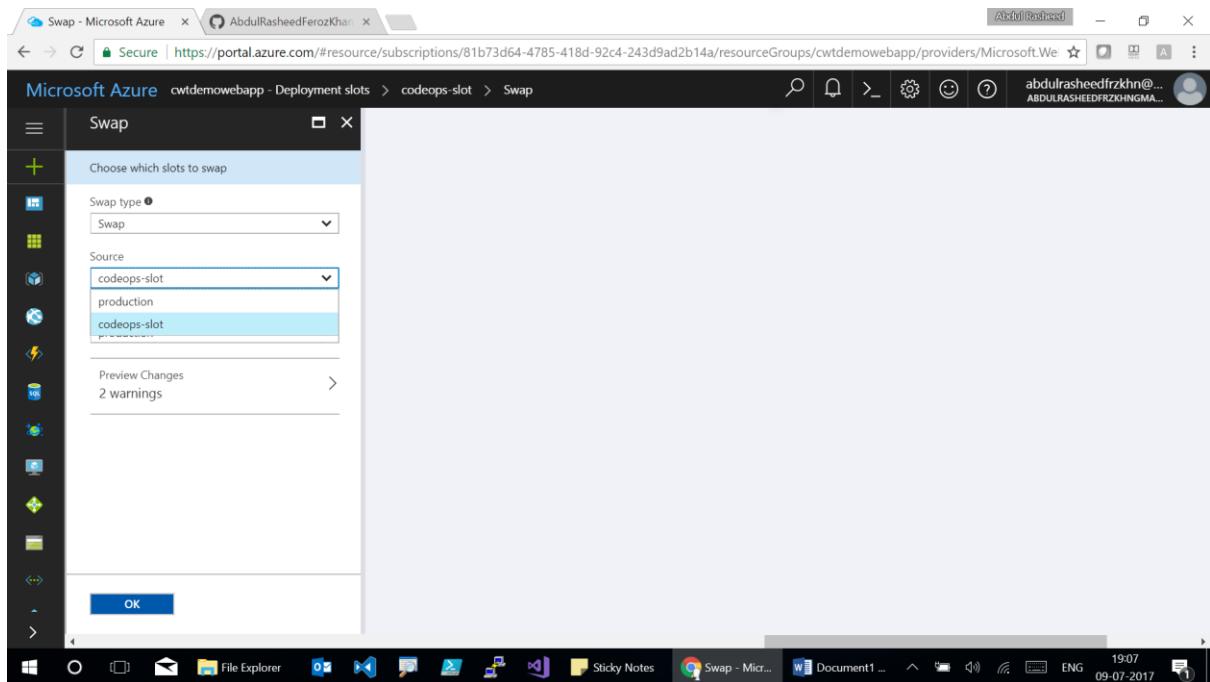
Step – 11:

Goto the Overview of the new deployment slot which was created and click on Swap to swap the sites.

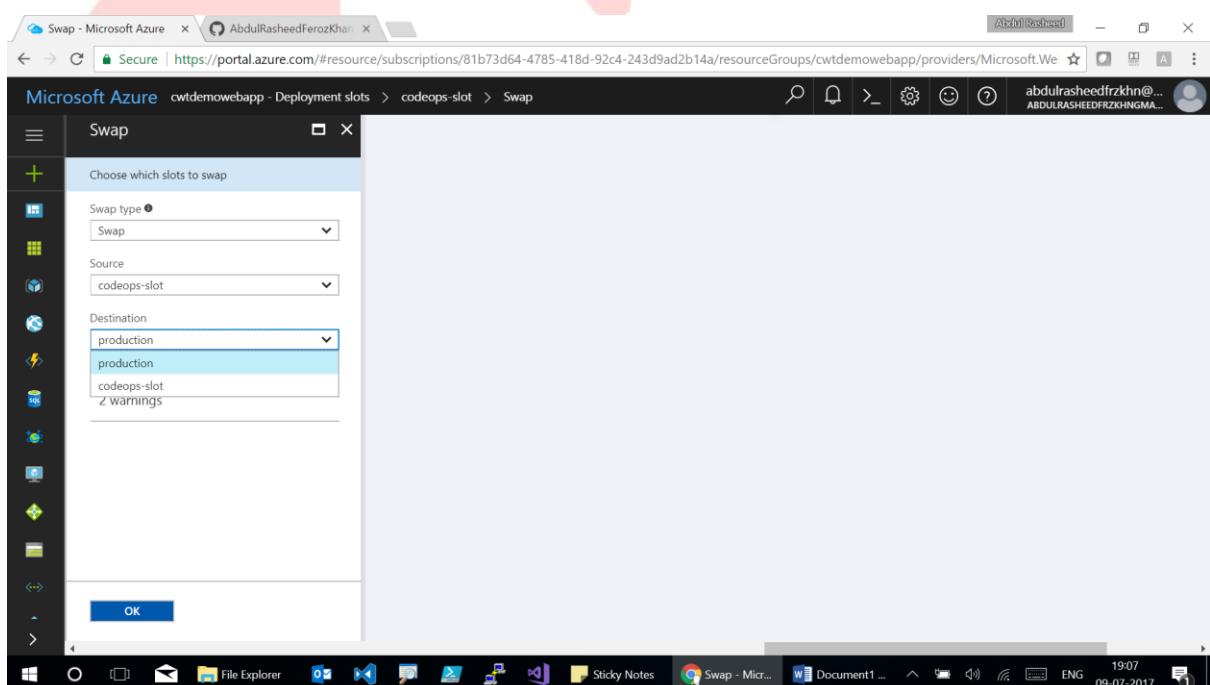
The screenshot shows the Microsoft Azure portal interface. The left sidebar lists 'codeops-slot' under 'Web App'. The main area shows the 'Overview' tab selected (highlighted with a red box). A red box also highlights the 'Swap' button in the top navigation bar. The 'Essentials' section displays details like Resource group (cwtdemowebapp), Status (Running), Location (Southeast Asia), and URL (http://cwtdemowebapp-codeops-slot.azurewebsites.net). Below this are two charts: 'Http 5xx' and 'Data In', both showing data over time from 6:15 PM to 7 PM. The taskbar at the bottom shows various icons and the date/time (09-07-2017, 19:06).

This takes you to the Swap blade, select the Swap type, source either from the production site or the secondary site, destination towards the production site or secondary site.

Production site refers to the master site whereas the Secondary site refers to the slot which has been created.



Once after configured Click on OK.



Here goes the notification for the Swap process.

The screenshot shows the Azure portal interface. At the top, there's a navigation bar with a user profile for 'Abdul Rasheed'. Below it, a search bar contains the URL 'c4-243d9ad2b14a/resourceGroups/cwtdemowebapp/providers/Microsoft.Web'. A progress bar indicates 'Swapping web app slots...' with a timestamp of '7:08 PM'. Below the progress bar, there are several icons: a trash can for 'Delete', a download arrow for 'Get publish profile', and a circular arrow for 'Rese...'. The main content area displays the URL 'http://cwtdemowebapp-codeops-slot.azurewebsites.net' and details about the app service plan: 'App Service plan/pricing tier' and 'webappserviceplan (Standard: 1 Small)'. It also shows a GitHub link: 'GitHub Project' and 'https://github.com/AbdulRasheedFerozKhan/codeopsconf'.

Go for the both WebApp links and browse for the content, you can find the different versions of the WebApp between the slots and production site.

The screenshot shows two Microsoft Edge browser windows side-by-side. Both windows have their URLs highlighted with red boxes. The left window's URL is 'cwtdemowebapp.azurewebsites.net' and its content is 'WebApp - Microsoft Azure' with the text 'This is a demo webapp for hosting a WebApp using File Explorer'. The right window's URL is 'cwtdemowebapp-codeops-slot.azurewebsites.net' and its content is 'WebApp - Microsoft Azure' with the text 'This is a demo webapp for hosting a WebApp using Github - CodeOps Conference'. The taskbar at the bottom shows various pinned and running applications, including File Explorer, Sticky Notes, Google Chrome, Word, Snipping Tool, and system status indicators like battery level and date/time.