

AZURE DEV L2

Mentor: Sila Sahoo

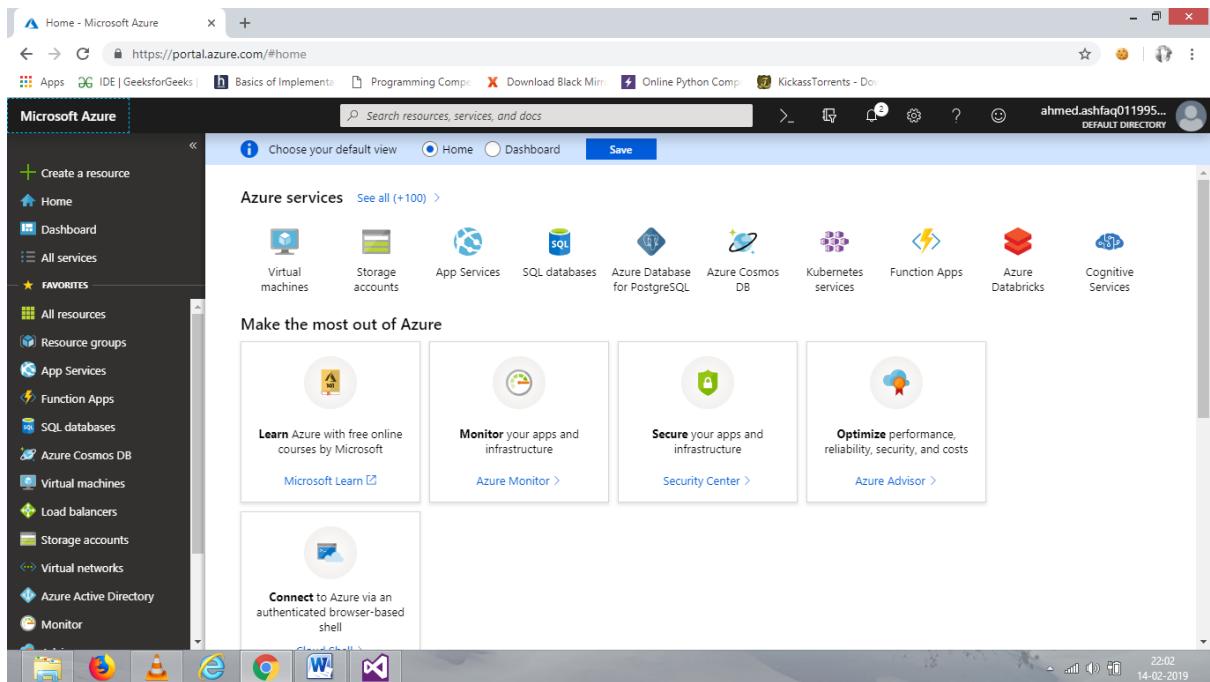
Submitted by Ashfaq Ahmed

Firstly for working on azure, subscribe Microsoft azure.

The screenshot shows the Microsoft Azure homepage. At the top, there's a navigation bar with links like Overview, Solutions, Products, Documentation, Pricing, Training, Marketplace, Partners, Support, Blog, More, My account, Portal, and Sign In. A 'Free account' button is also visible. The main banner features the tagline 'Your vision. Your cloud.' and a sub-tagline 'Turn your ideas into solutions faster using a trusted cloud which is designed for you. Azure. Cloud for all.' Below this is a large green button labeled 'Start free >'. To the right, there's a diagram showing a flow from 'ON-PREMISES' to 'AZURE' with icons for search, export, and deployment. A callout box says 'Migrate and modernise your apps, data and infrastructure—now easier than ever with Azure >'. At the bottom, there are four sections: 'Productive' (Azure has more than 100 services), 'Hybrid' (Develop and deploy where you want), 'Intelligent' (Create intelligent apps using powerful data and AI services), and 'Trusted' (Join startups, governments and 95% of Fortune 500 businesses). A toolbar with various icons is at the very bottom.

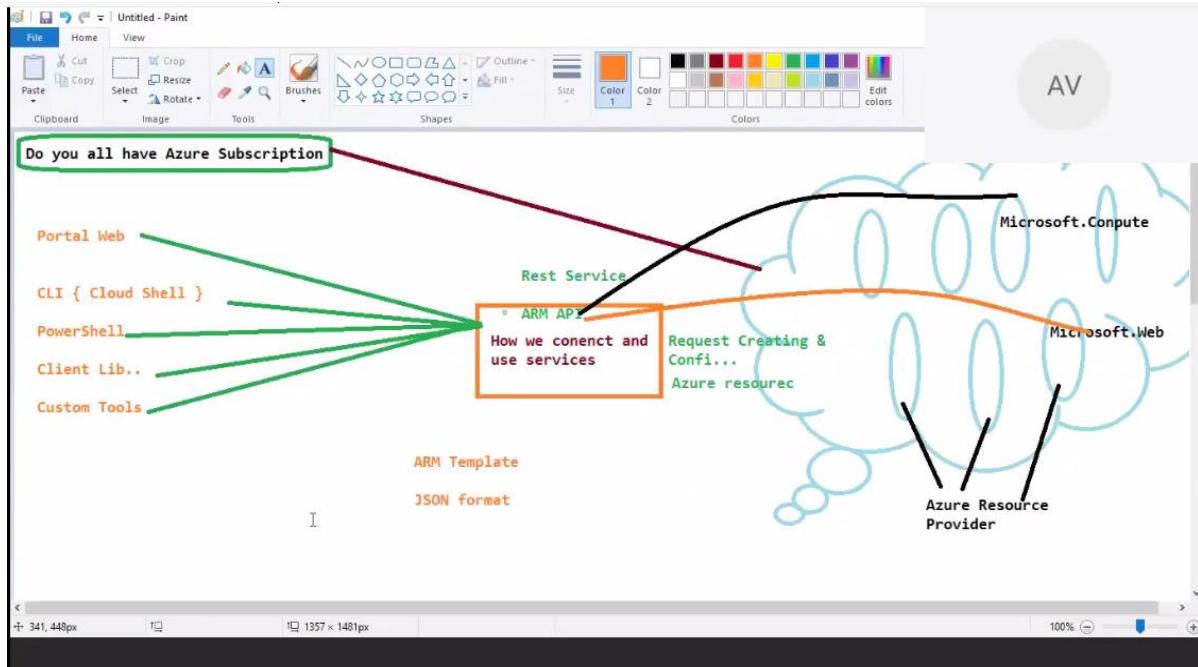
Create an account for access in azure cloud with details required.

After creating account, open portal which is next to my account.



The dashboard of azure will display on the screen.

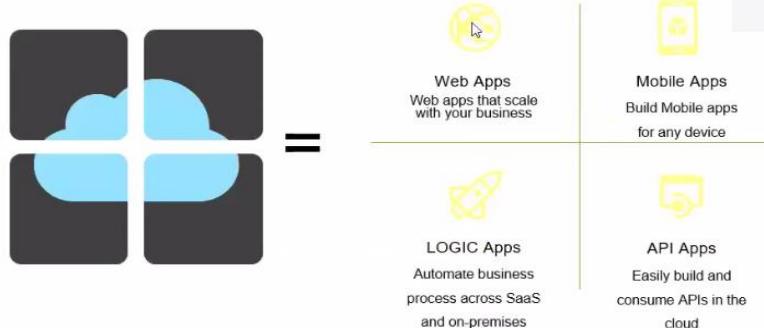
Below image shows how to connect and use the services provided by azure.



First task is to hosting web application on the azure platform.

App Service - one integrated offering

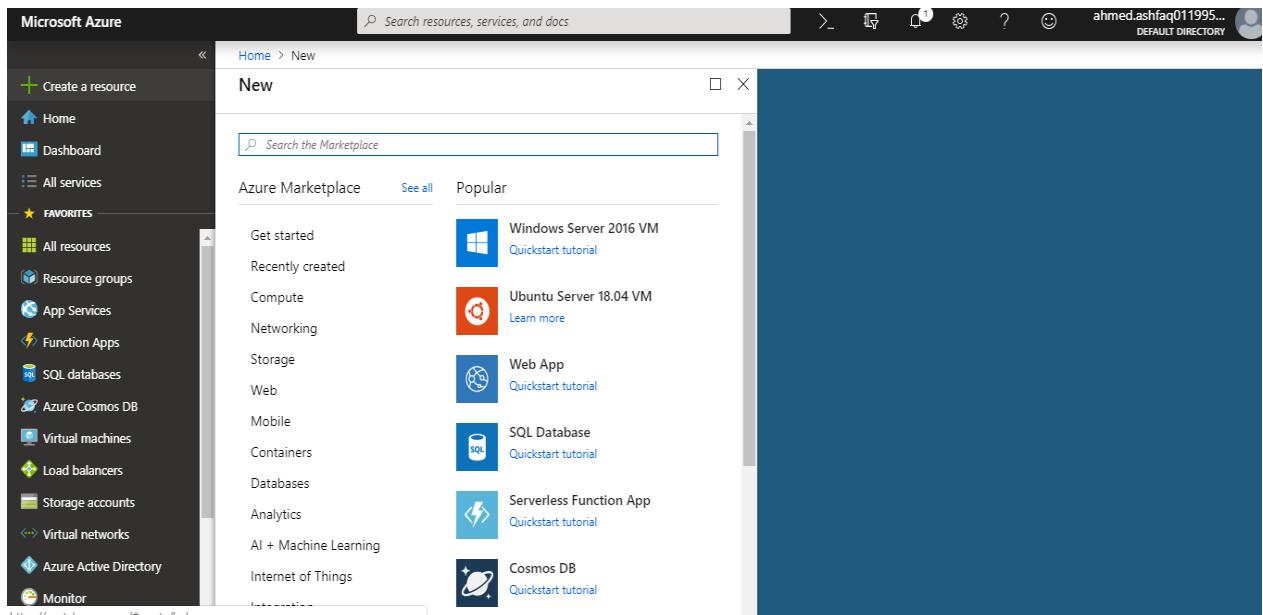
AV



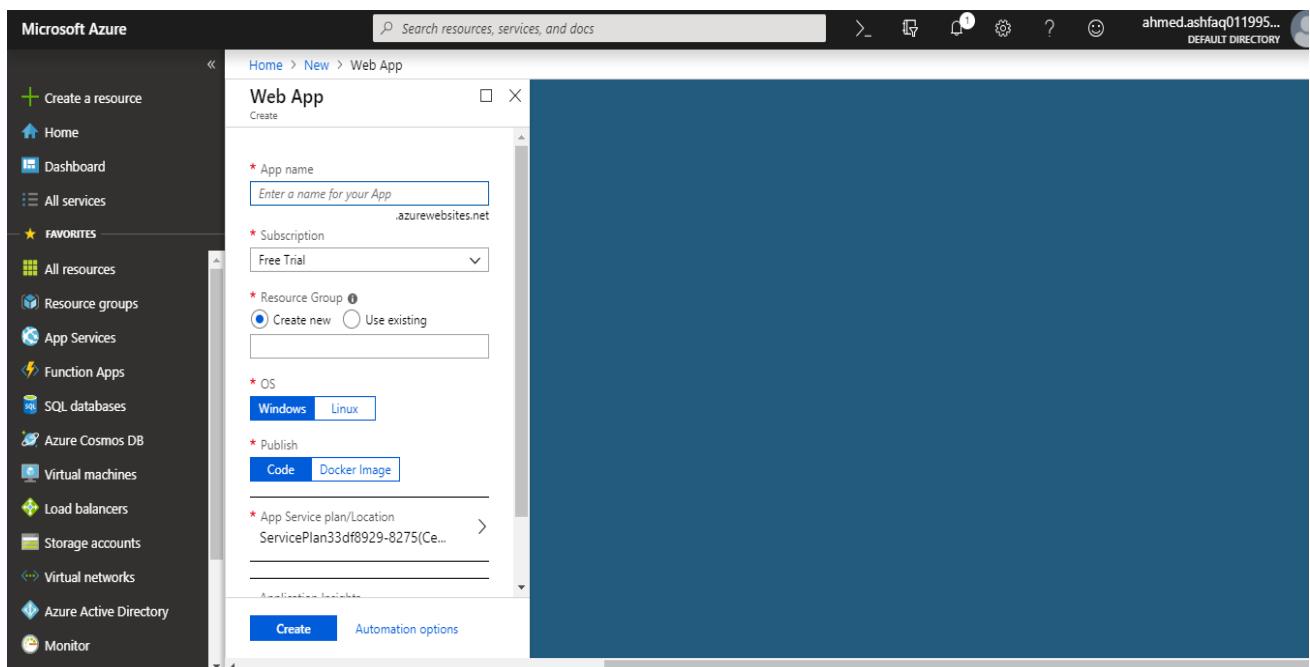
Azure App service provides all above.

For creating a azure web app, first click on create a resource.

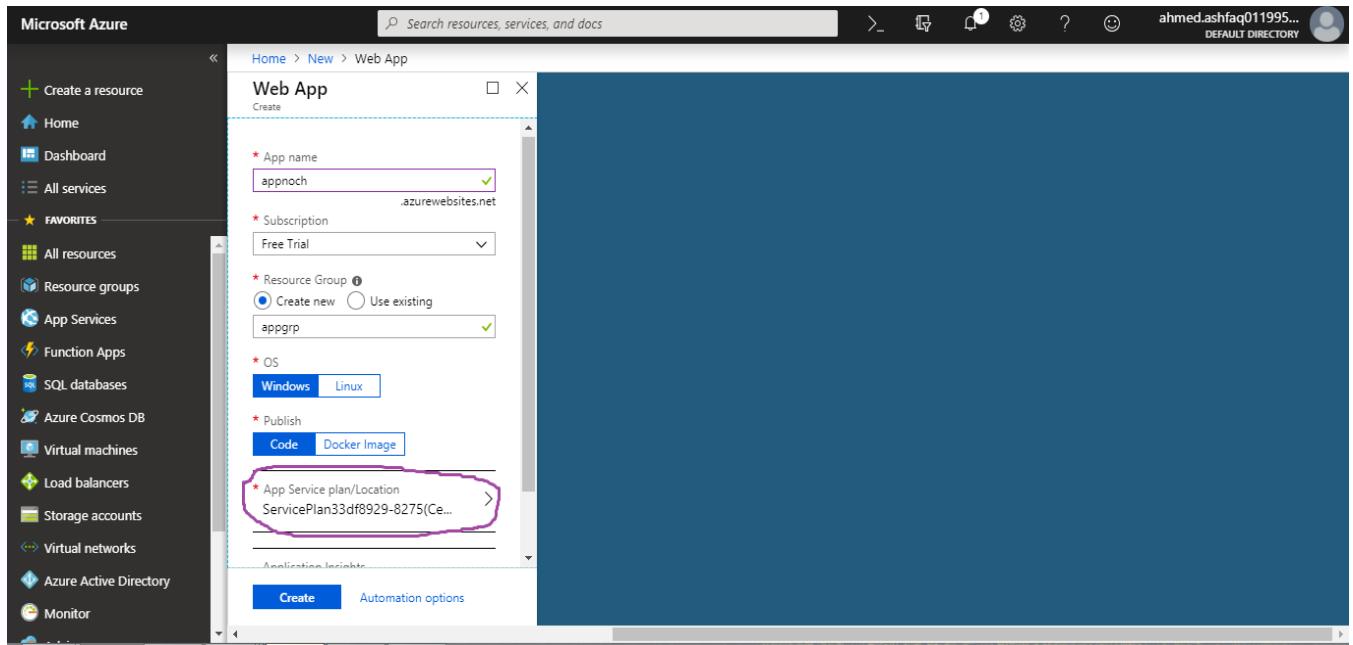
The screenshot shows the Microsoft Azure portal interface. On the left, the sidebar is open with the 'Create a resource' button highlighted. The main area displays the 'Azure services' section with various icons for different services: Virtual machines, Storage accounts, App Services, SQL databases, Azure Database for PostgreSQL, Azure Cosmos DB, Kubernetes services, Function Apps, Azure Databricks, and Cognitive Services. Below this, there's a section titled 'Make the most out of Azure' with four cards: 'Learn Azure with free online courses by Microsoft' (Microsoft Learn), 'Monitor your apps and infrastructure' (Azure Monitor), 'Secure your apps and infrastructure' (Security Center), and 'Optimize performance, reliability, security, and costs' (Azure Advisor). At the bottom of the sidebar, the URL <https://portal.azure.com/#create/hub> is visible.



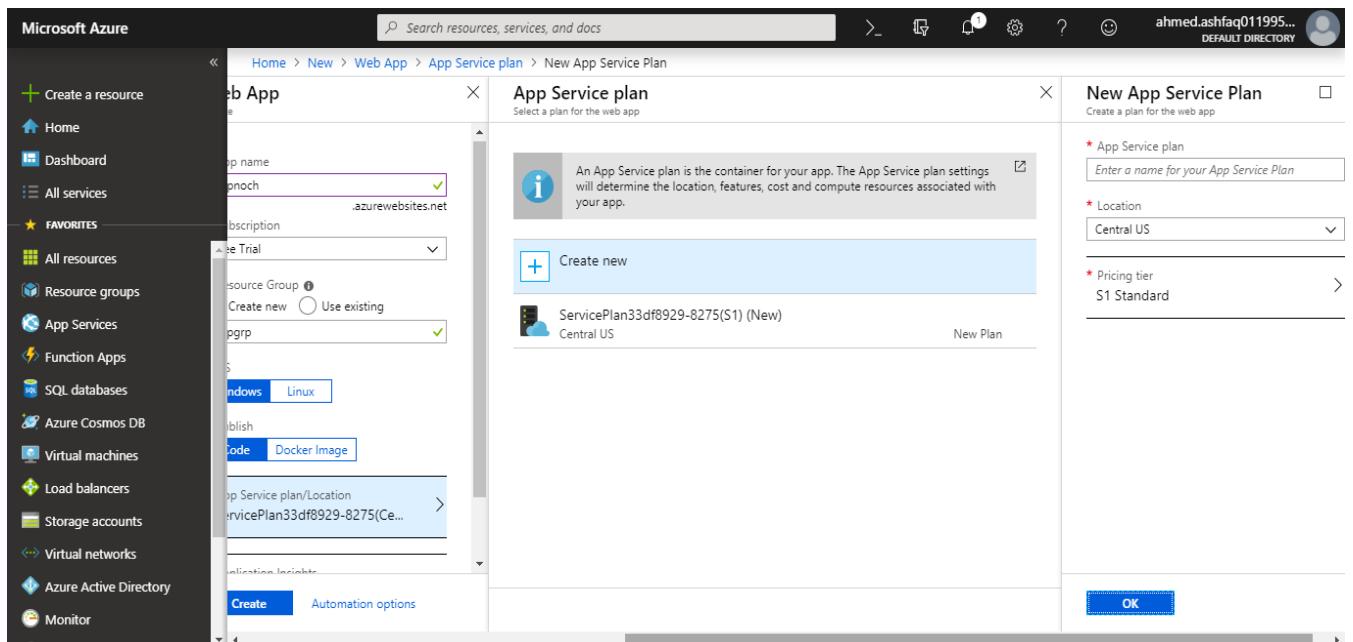
Now click on Web app for creating web app.



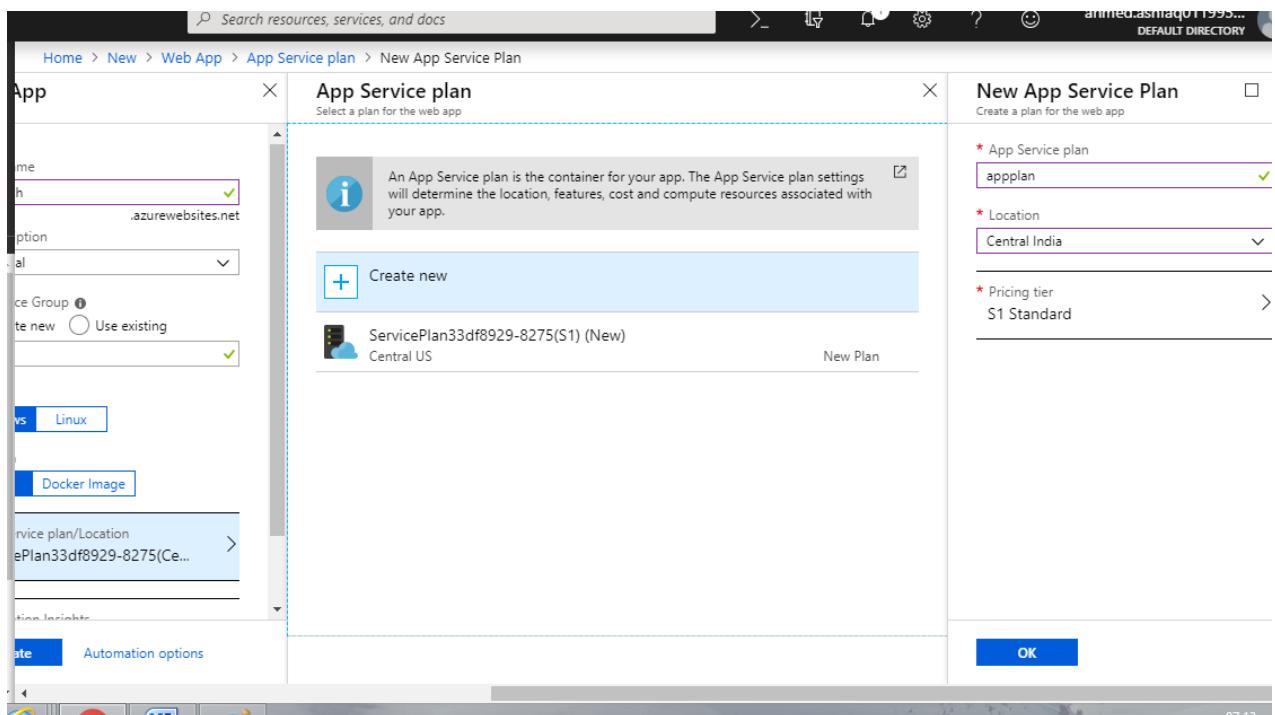
Give a name to App and resource group name.



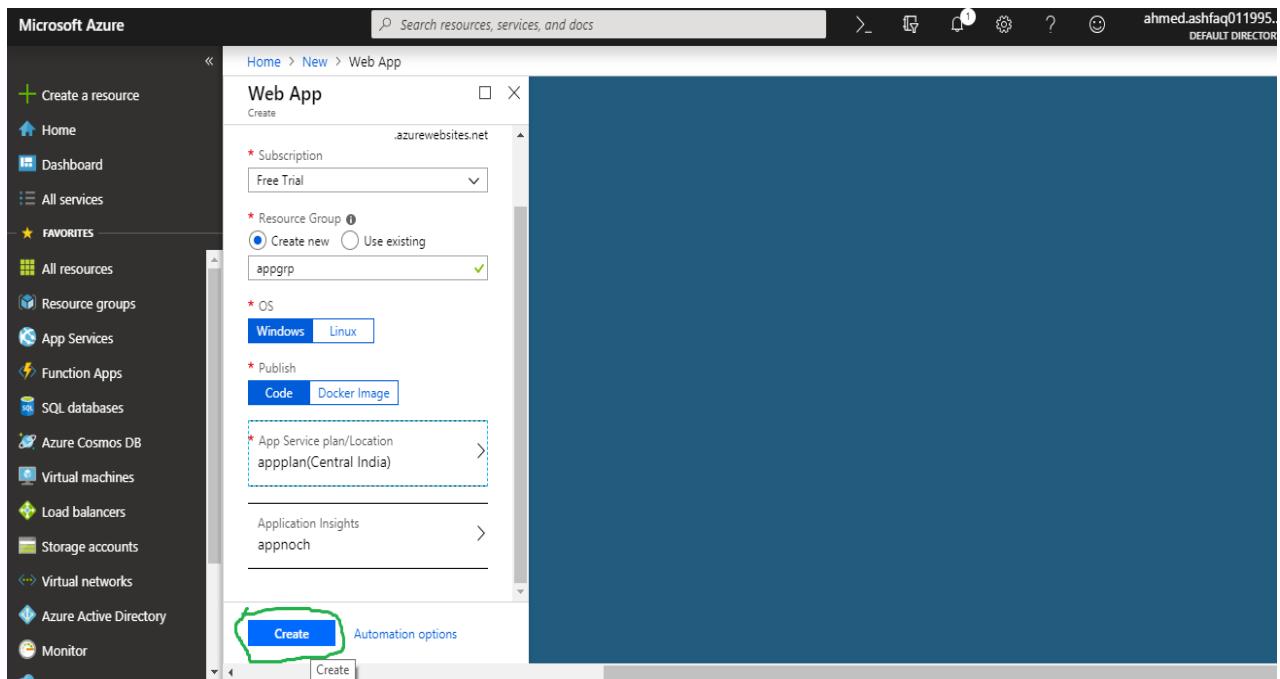
The operating system is windows and publish is code. And then we need app service plan so click on it and create new plan to know about the plan and the cost for the app.



Select S1 standard and location as central India, and enter the name for plan then click ok.



Click on create for complete the create process of web app and it will deploy the application.



Once the deployment is done we can check it in resource group.
There will be the appgroup.

The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation links for Home, Dashboard, All services, Favorites (All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory), and Monitor. The main content area is titled "Resource groups" under "Default Directory". It shows a table with one item: "appgrp" (Subscription: Free Trial, Location: Central India). There are buttons for Add, Edit columns, Refresh, Assign tags, and Export to CSV.

Click on the group created. Inside it there is plan, application insights and the app.

The screenshot shows the Microsoft Azure portal interface, specifically the "Resource groups" section for the "appgrp" group. The left sidebar is identical to the previous screenshot. The main content area shows the "Overview" tab for the "appgrp" resource group. It displays basic information: Subscription (Free Trial), Deployment ID (475169f2-bb76-4710-bff5-9a4d90e0c8fa), and Tags (none). Below this is a table listing three resources: "appnoch" (Application Insights, Central India), "appnoch" (App Service, Central India), and "applan" (App Service plan, Central India). There are buttons for Add, Edit columns, Delete resource group, Refresh, Move, Assign tags, Delete, and Export to CSV.

Click on the application, inside that the URL of the website is present.

The screenshot shows the Microsoft Azure portal interface. On the left, there's a sidebar with various service icons like Home, Dashboard, and App Services. The main area shows the 'Overview' tab for an App Service named 'appnoch'. Key details shown include:

- Resource group:** appgrp
- Status:** Running
- Location:** Central India
- Subscription:** Free Trial
- Subscription ID:** 475169f2-bb76-4710-bff5-9a4d90e0c8fa
- Tags:** Click here to add tags

On the right, there are three cards: 'Diagnose and solve problems', 'Application Insights', and 'App Service Advisor'. The URL <https://appnoch.azurewebsites.net> is highlighted in a red box.

Copy the URL and run it in web browser to check.

The screenshot shows a web browser window with the URL <https://appnoch.azurewebsites.net>. The page content is:

Microsoft Azure

Your App Service app is up and running

Go to your app's [Quick Start](#) guide in the Azure portal to get started or read our [deployment documentation](#).

We would love to meet you! The App Service team will be present at the following upcoming events:

Name	Location	Dates	Info
------	----------	-------	------

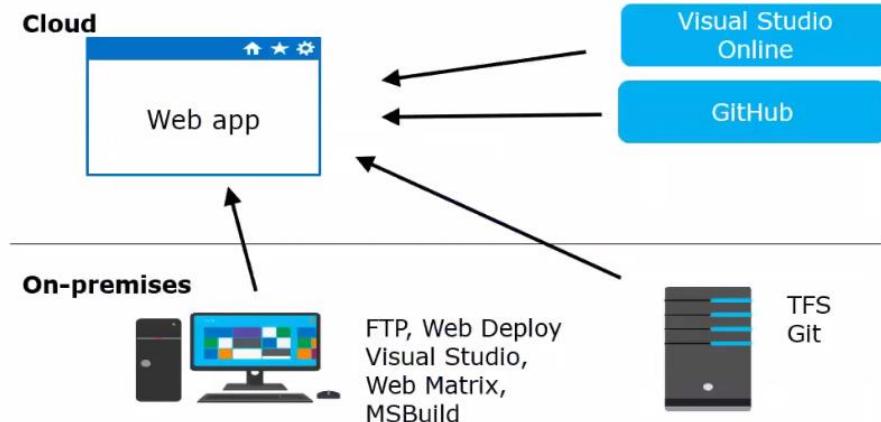
The page has a blue background with a cartoon-style lightbulb icon and a small cityscape at the bottom. The taskbar at the bottom shows various application icons.

This is the default page of the application.

Now we can host our web page from visual studio, FTP or Github.

Comparing app-deployment methods in App Service

AV



Sensitivity: Internal & Restricted

Go to application setting to change any required settings (such as, enable java, PHP platform) after that only the codes of java and PHP, etc. will work. The default is ASP.net.

The screenshot shows the Microsoft Azure portal interface for managing an App Service named 'appnoch'. The left sidebar lists various Azure services like Home, All services, App Services, and Virtual machines. The main content area shows the 'appnoch' resource group details. Under the 'Deployment' section, the 'Application settings' link is highlighted with a red circle. The right pane displays deployment-related information such as location (Central India), subscription (Free Trial), and connection details for FTP and HTTPS. Below the deployment section, there are cards for 'Diagnose and solve problems', 'Application Insights', and 'App Service Advisor'.

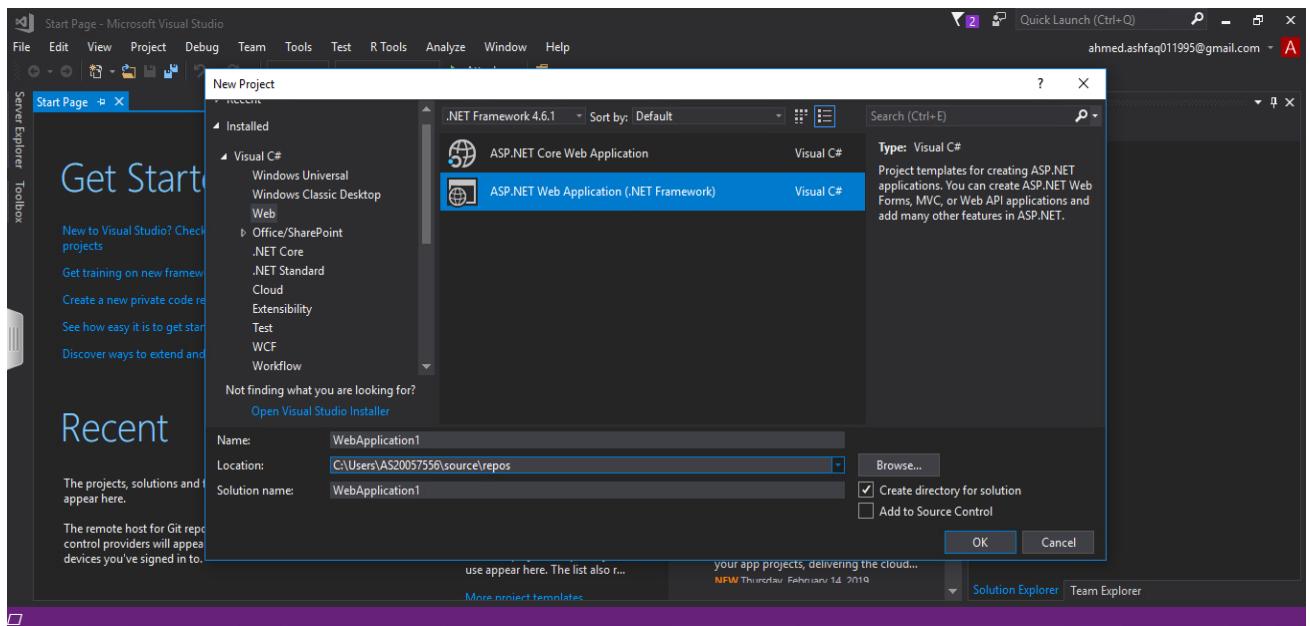
The screenshot shows the Microsoft Azure portal with the URL [https://portal.azure.com/#blade/HubsBlade](#). The left sidebar lists various services like Home, Dashboard, All services, App Services, Function Apps, etc. The main content area is titled "appnoch - Application settings". It displays deployment settings including PHP version (5.6), Python version (Off), Java version (Off), Java minor version, Java web container, Platform (32-bit selected), and Web sockets (On). A blue callout bubble points to the "Select the versions" section.

If working in visual studio.

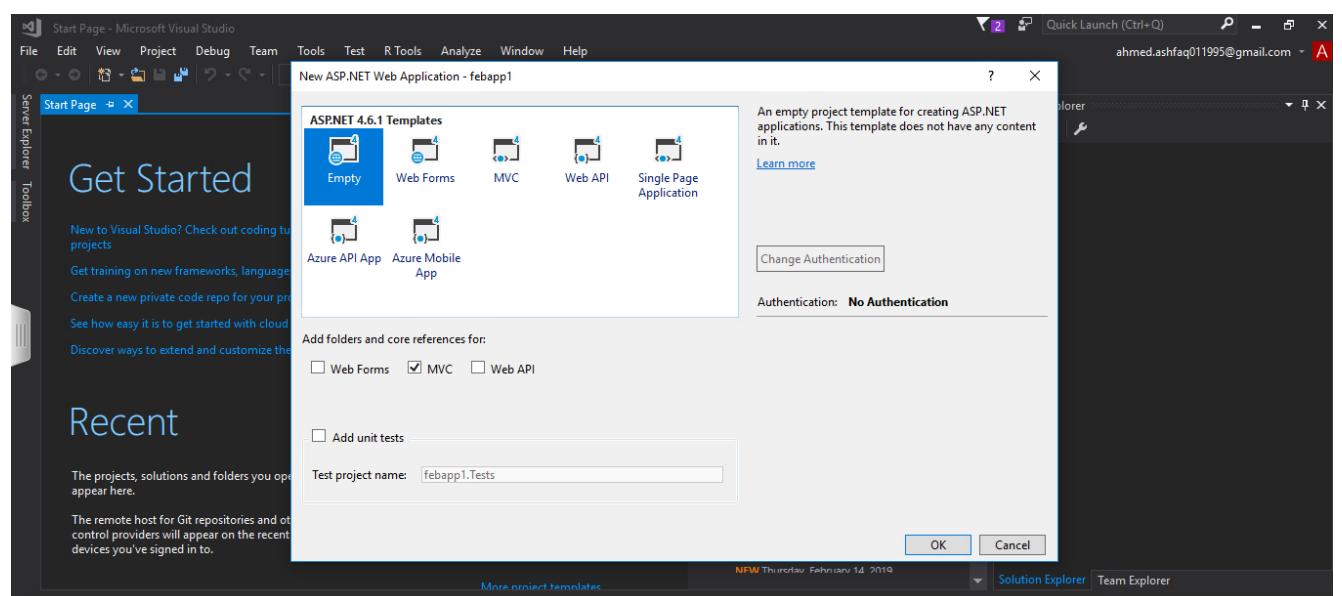
On the debugging and select the version of visual studio system is using for web application.

The screenshot shows the Microsoft Azure portal with the URL [https://portal.azure.com/#blade/HubsBlade](#). The left sidebar lists various services like Home, Dashboard, All services, App Services, Function Apps, etc. The main content area is titled "appnoch - Application settings". It displays deployment settings including FTP access (FTP + FTPS selected), Debugging (Remote debugging On, Remote Visual Studio version 2015 selected), and Application settings. A green callout bubble points to the "On remote debugging and select version of visual studio in system" section.

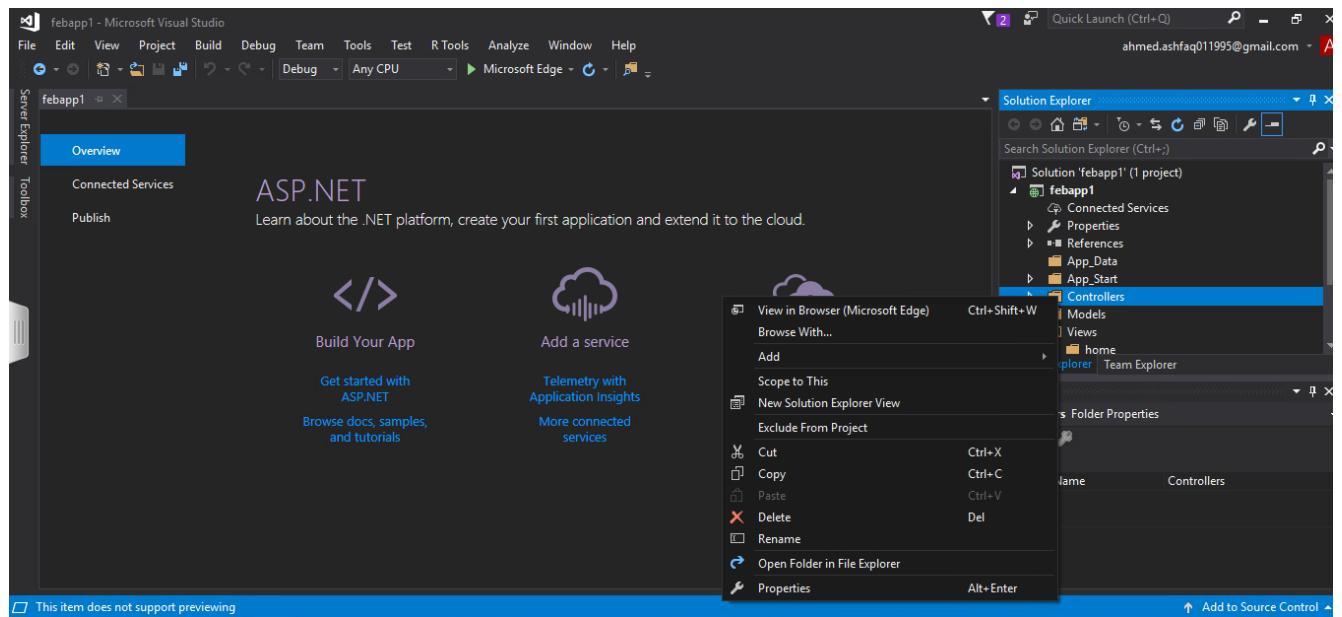
Now open the visual studio and go to new project and select web->ASP.NET web application.



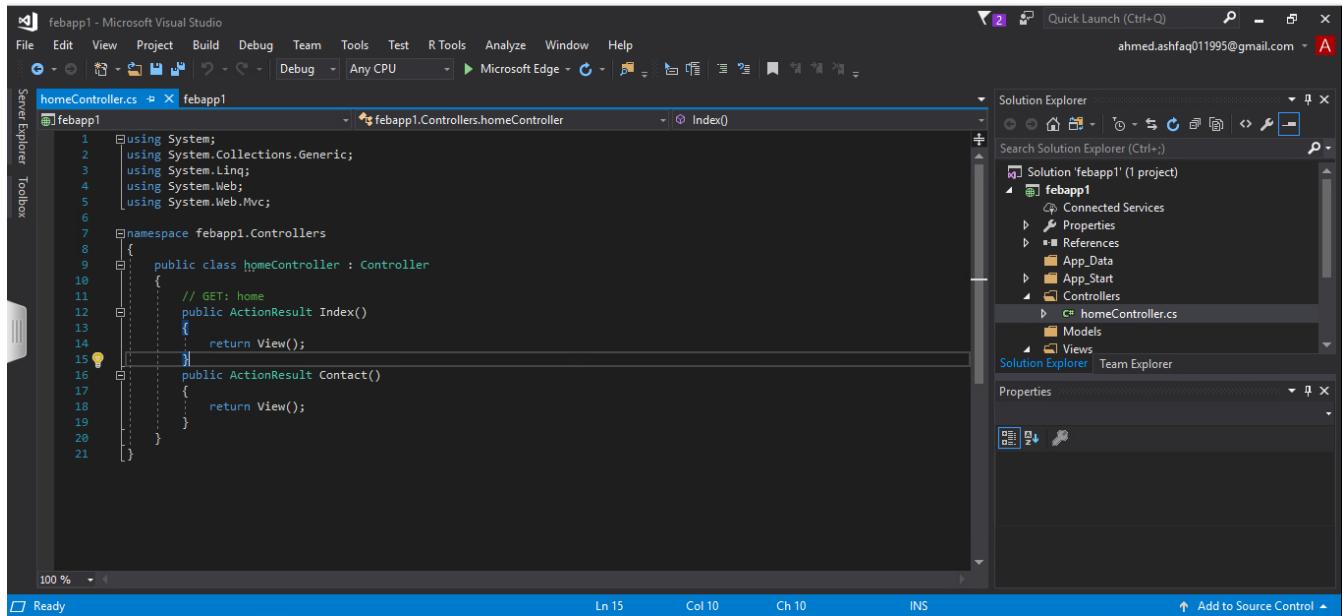
Click ok for creating the web application.



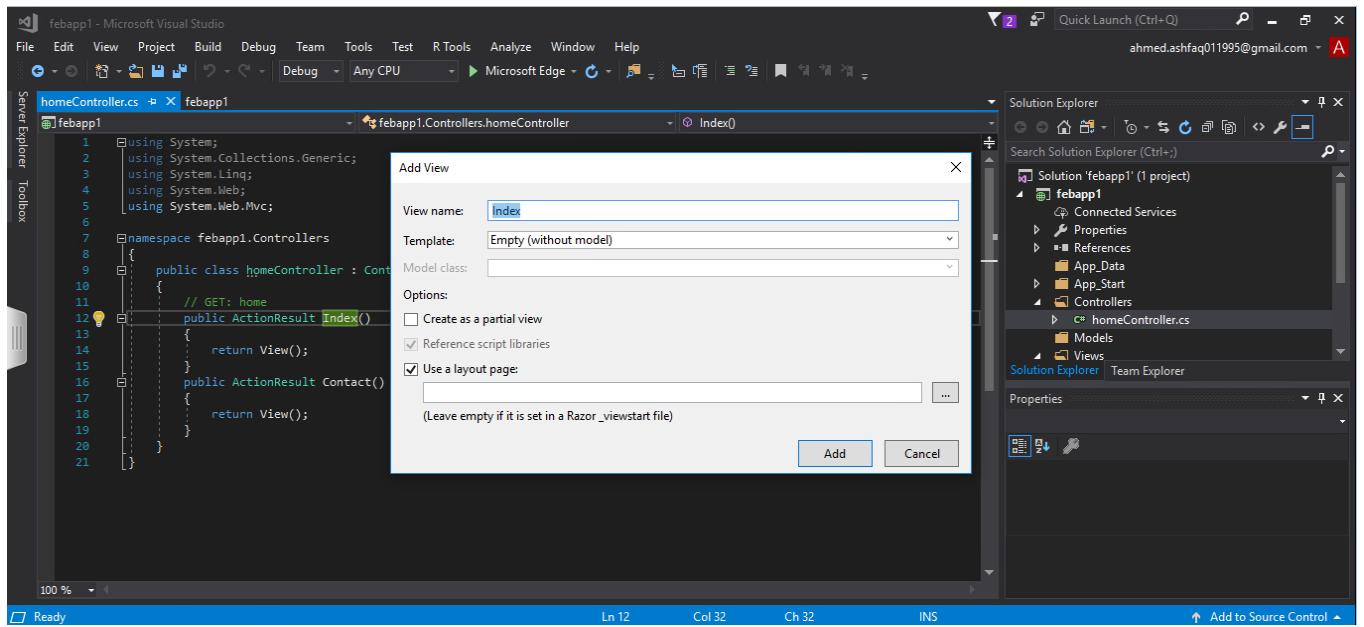
Select MVC empty template for simple application.



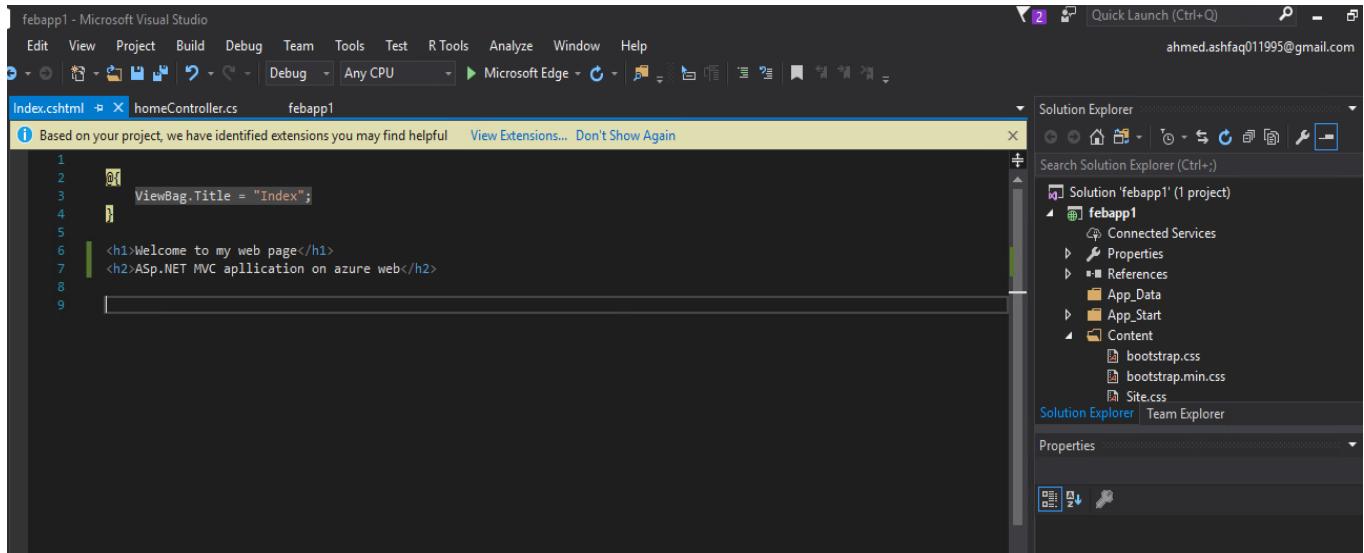
Create a controller by adding a new controller and views for basic checking.



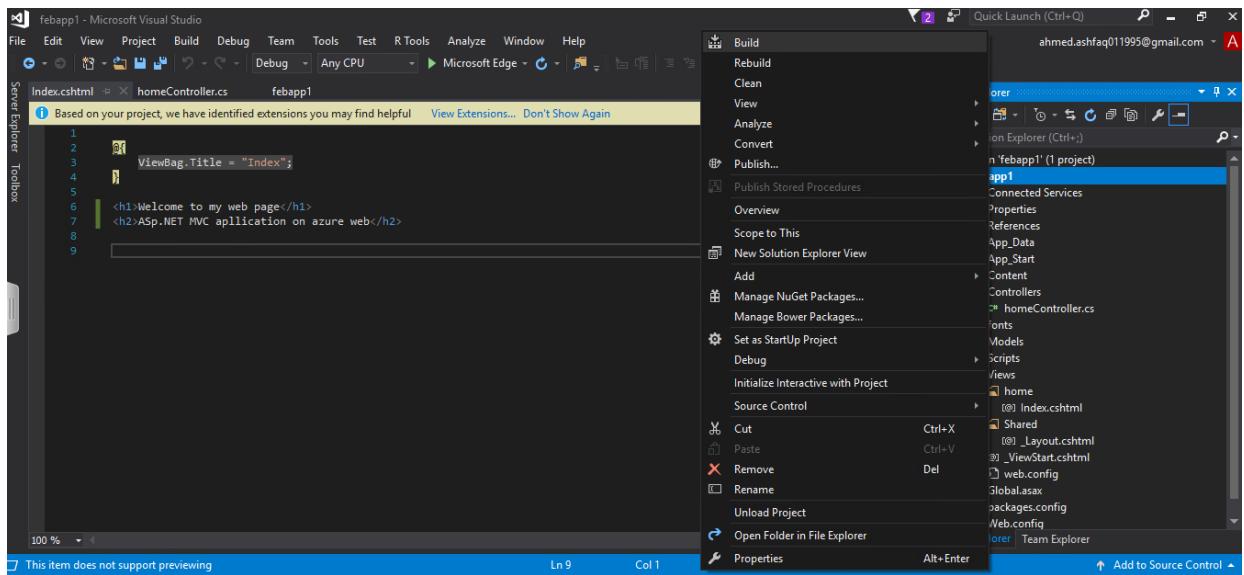
Add views for them.



Write some content in view page to display and publish as azure web application.



Now build the application.



After build successfully. Try it as localhost first checking it is working or not.



After checking go for publishing the web application in azure.

To get publish profile go to azure portal and click on get publish profile

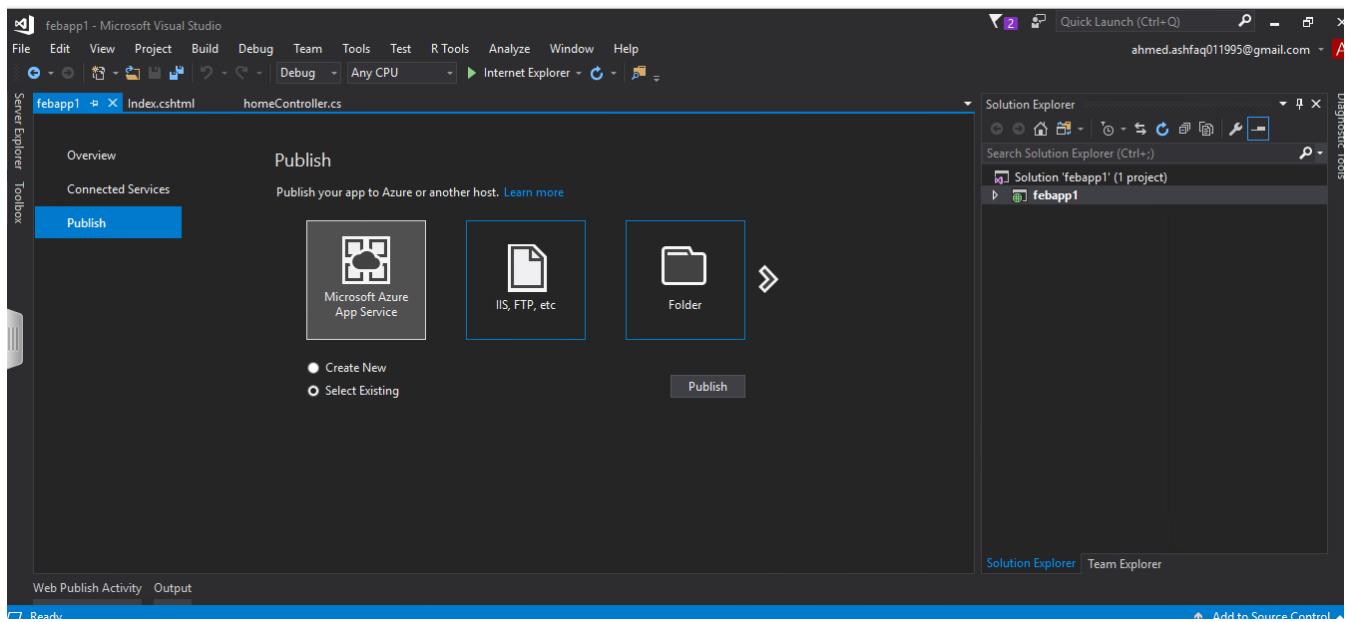
The screenshot shows the Microsoft Azure portal interface. On the left, there's a sidebar with navigation links like 'Create a resource', 'Home', 'Dashboard', 'All services', 'FAVORITES', 'All resources', 'App Services', 'Function Apps', 'SQL databases', 'Azure Cosmos DB', 'Virtual machines', 'Load balancers', 'Storage accounts', and 'Virtual networks'. The main area is titled 'appnoch' under 'App Service'. It has tabs for 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Deployment' (with 'Quickstart', 'Deployment slots', and 'Deployment Center' sub-options), and 'Settings' (with 'Application settings'). On the right, there's a summary of the app's configuration, including its URL (<https://appnoch.azurewebsites.net>), App Service Plan ('appplan (Standard: 1 Small)'), and various connection details for FTP and SFTP. At the top right, there's a user profile for 'ahmed.ashfaq011995...' and a link to 'DEFAULT DIRECTORY'. A prominent red oval highlights the 'Get publish profile' button in the top right corner of the main content area.

Now go to visual studio and get application publish

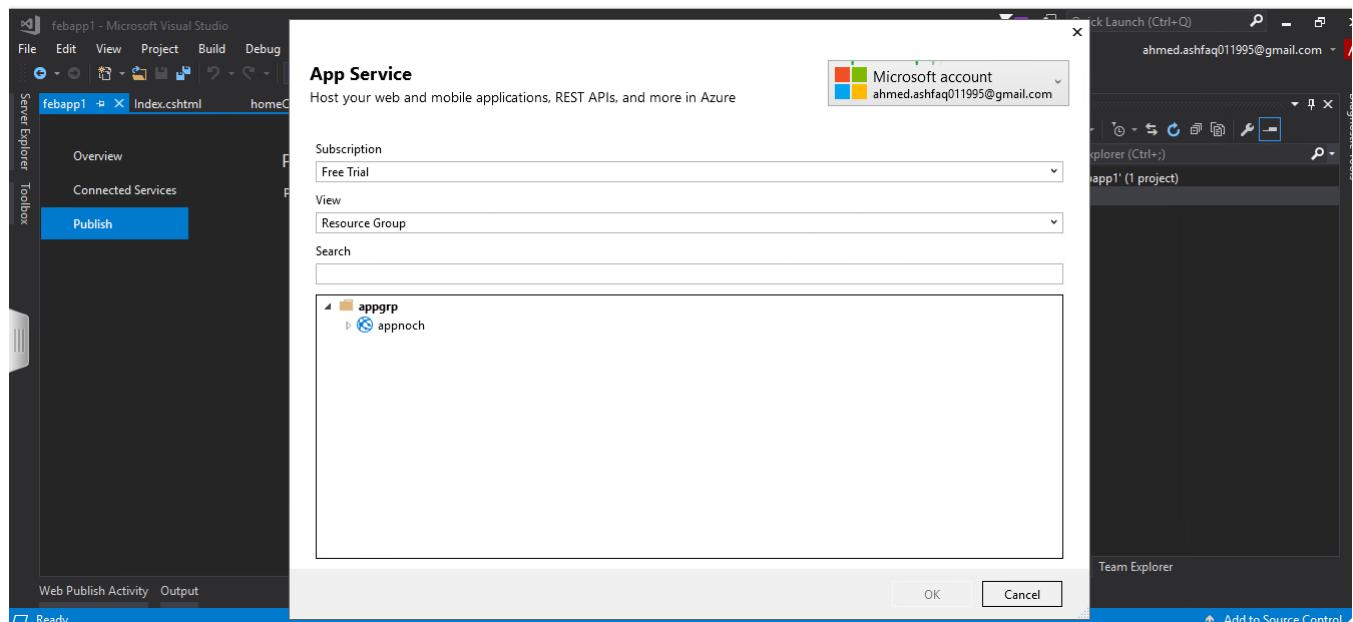
The screenshot shows the Microsoft Visual Studio 2015 interface. The title bar says 'febapp1 - Microsoft Visual Studio'. The menu bar includes 'File', 'Edit', 'View', 'Project', 'Build', 'Debug', 'Team', 'Tools', 'Test', 'R Tools', 'Analyze', 'Window', and 'Help'. The 'Build' menu is open, showing options like 'Build', 'Rebuild', 'Clean', 'View', 'Analyze', 'Convert', and 'Publish...'. A red oval highlights the 'Publish...' option. The main code editor window shows C# code for 'Index.cshtml' and 'homeController.cs'. The 'Output' window at the bottom shows deployment logs. The 'Solution Explorer' on the right shows the project 'febapp1' with files like 'App Data', 'App Start', 'Content', 'Controllers', 'fonts', 'Models', 'Scripts', 'Views', 'Global.asax', and 'Web.config'. The status bar at the bottom indicates 'Ln 7 Col 46'.

Click on publish as show in above figure.

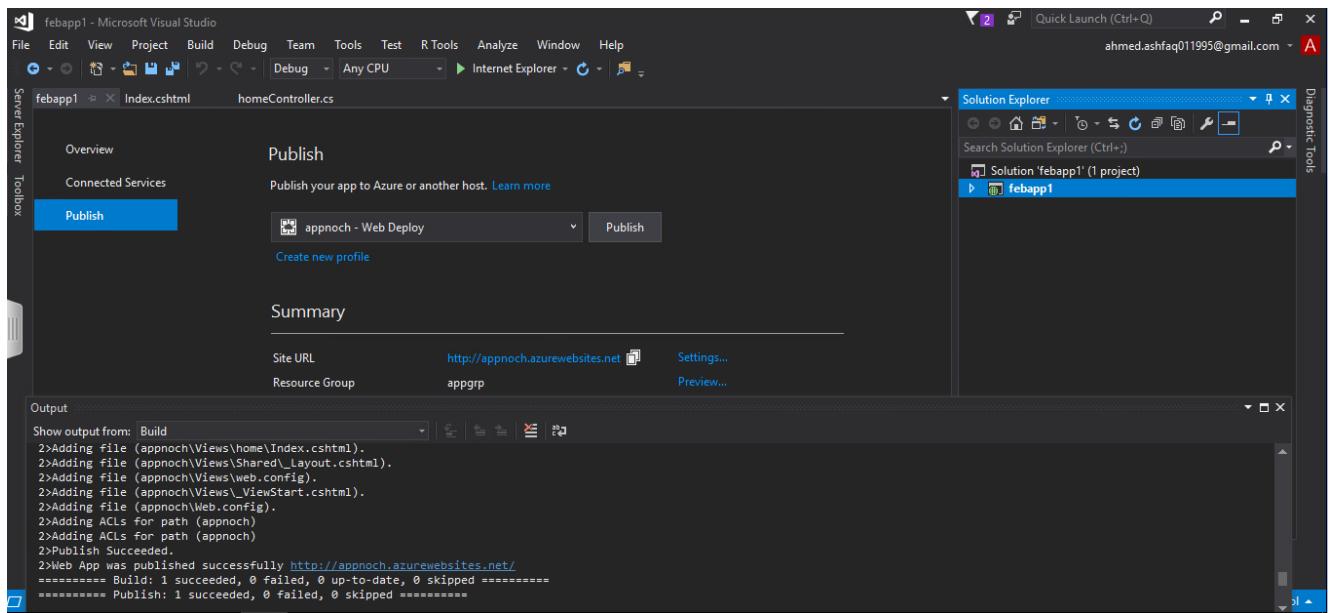
Select Microsoft azure web services and select existing profile then click on publish.



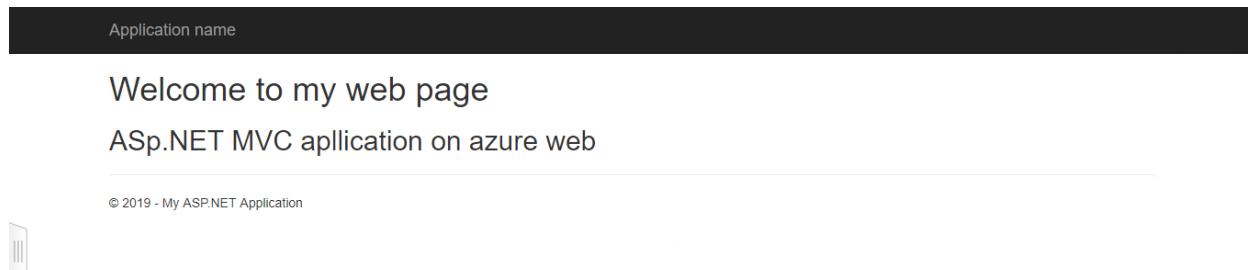
Select the web app and click on ok.



After completing the publishing it will display successfully publish and provide the link for that.

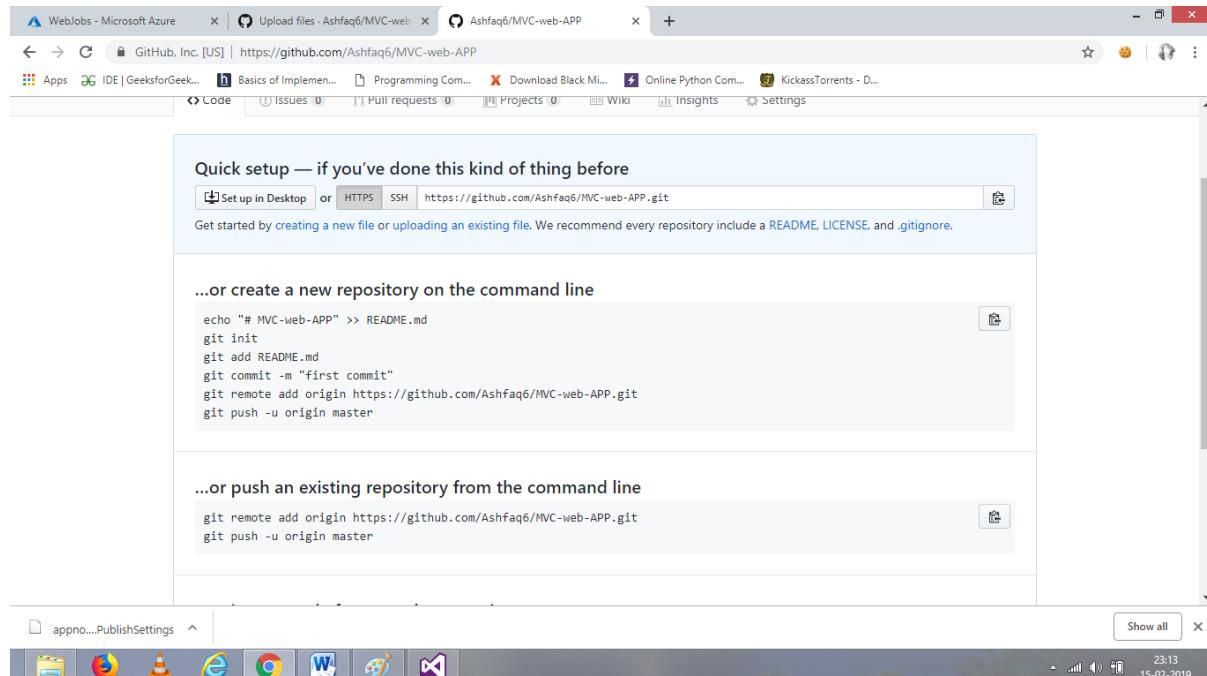
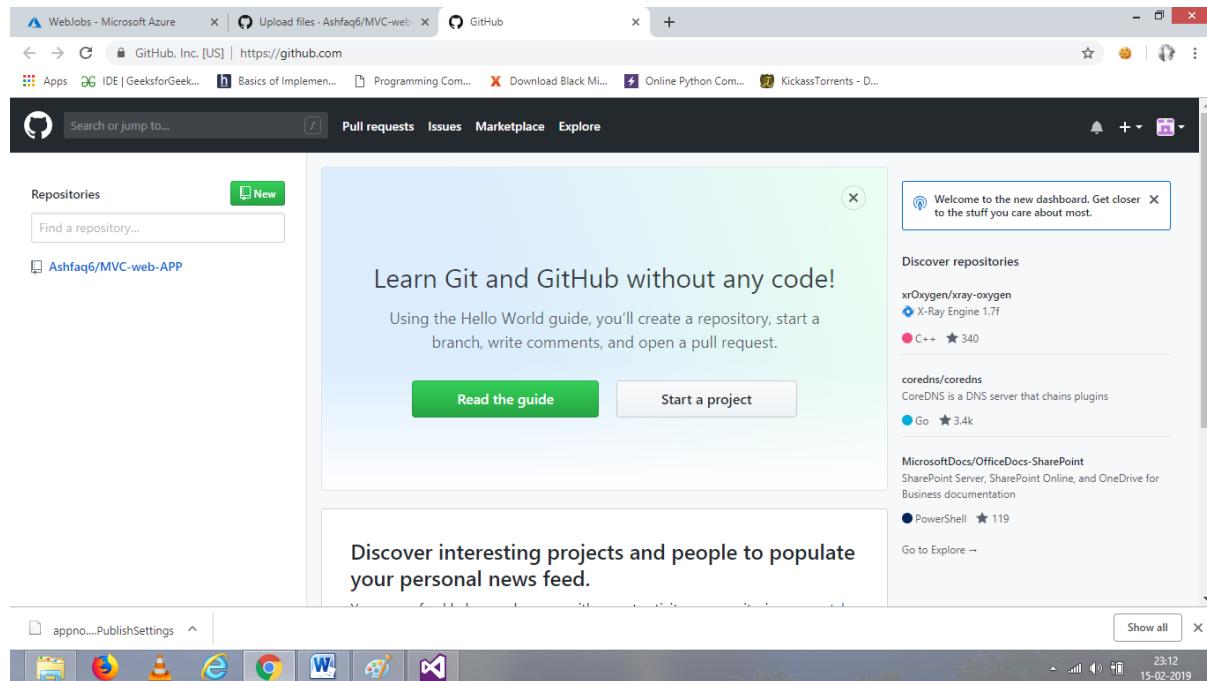


The page is not published and can be visited in internet.



Deployment by GITHUB

Create a git hub profile and upload file to the repository.



Create a deployment slot, and then we will pass it to app server.

This is for secure and bug free computing.

Microsoft Azure

appnoch - Deployment slots

Deployment Slots

Deployment slots are live apps with their own hostnames. App content and configurations elements can be swapped between two deployment slots, including the production slot.

NAME	STATUS	APP SERVICE PLAN	TRAFFIC %
appnoch	PRODUCTION	appplan	100

Show all

Add a slot

Name: webstaging

Clone settings from: appnoch

Deployment Slots

Deployment slots are live apps with their own hostnames. App content and configurations elements can be swapped between two deployment slots, including the production slot.

NAME	STATUS
appnoch	PRODUCTION

Add Close

Click ok, after giving name and clone setting.

It will be displayed in the group.

The screenshot shows the Microsoft Azure portal interface. The left sidebar is open, showing various service categories like Home, Dashboard, All services, App Services, Function Apps, etc. The main content area is titled 'Resource groups > appgrp'. It displays the 'Overview' section for the 'appgrp' resource group. Key details shown include:

- Subscription: Free Trial
- Subscription ID: 475169f2-bb76-4710-bff5-9a4d90e0c8fa
- Tags: Click here to add tags
- Deployments: 3 Succeeded

A table lists four resources:

NAME	TYPE	LOCATION
appnoch	Application Insights	Central India
appnoch	App Service	Central India
webstaging (appnoch/webstaging)	Web App	Central India
appplan	App Service plan	Central India

After entering the web staging, go to development centre to connect with git hub

The screenshot shows the Microsoft Azure portal interface. The left sidebar is open, showing various service categories like Home, Dashboard, All services, App Services, Function Apps, etc. The main content area is titled 'Resource groups > appgrp > webstaging (appnoch/webstaging)'. It displays the 'Overview' section for the 'webstaging' web app. Key details shown include:

- Resource group: appgrp
- Status: Running
- Location: Central India
- Subscription: Free Trial
- Subscription ID: 475169f2-bb76-4710-bff5-9a4d90e0c8fa
- Tags: Click here to add tags

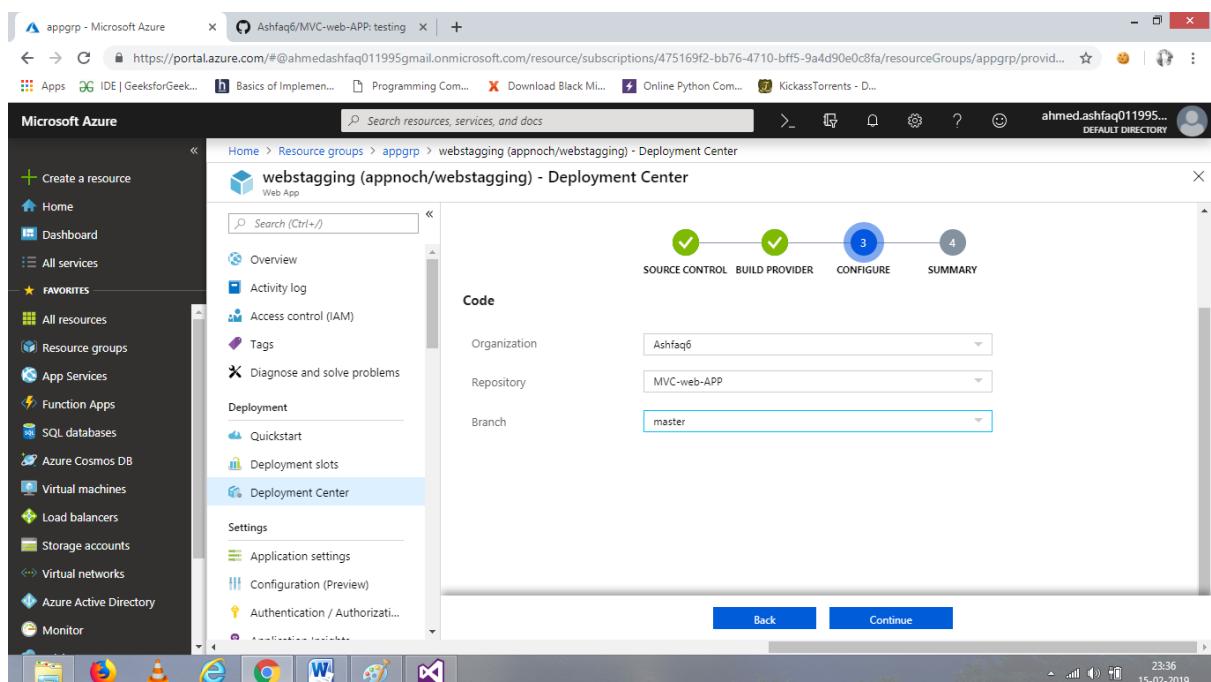
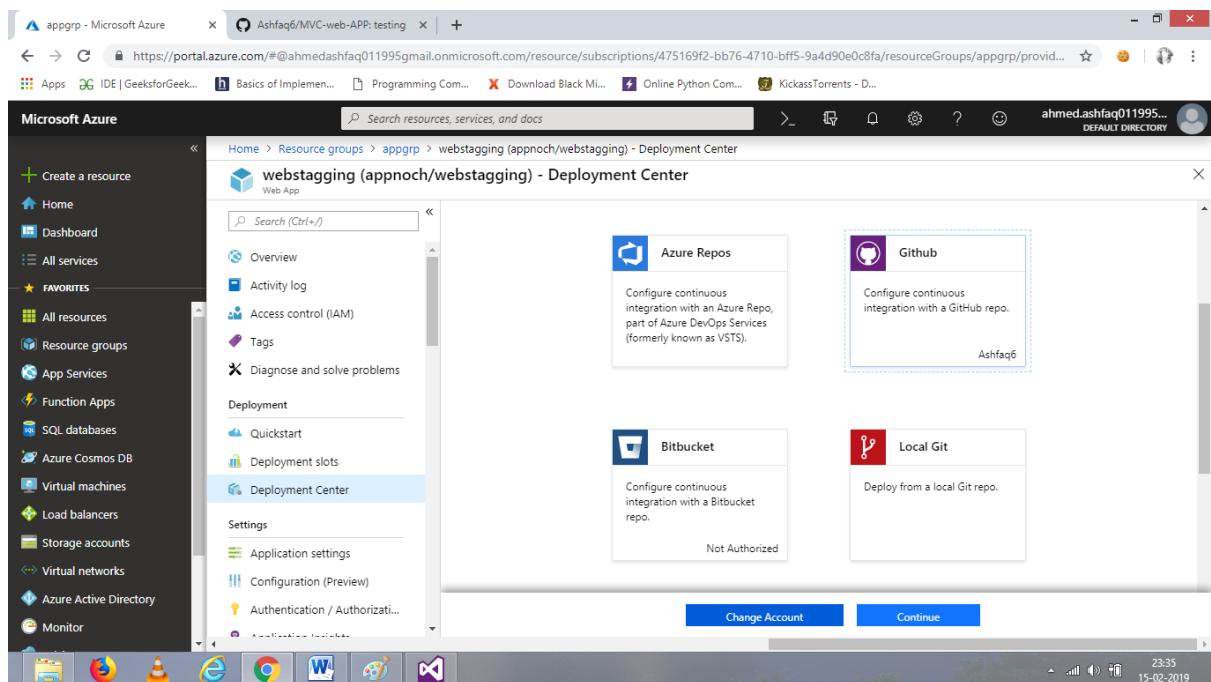
A red circle highlights the 'Deployment Center' link under the 'Deployment' section.

The right side of the screen shows deployment-related information:

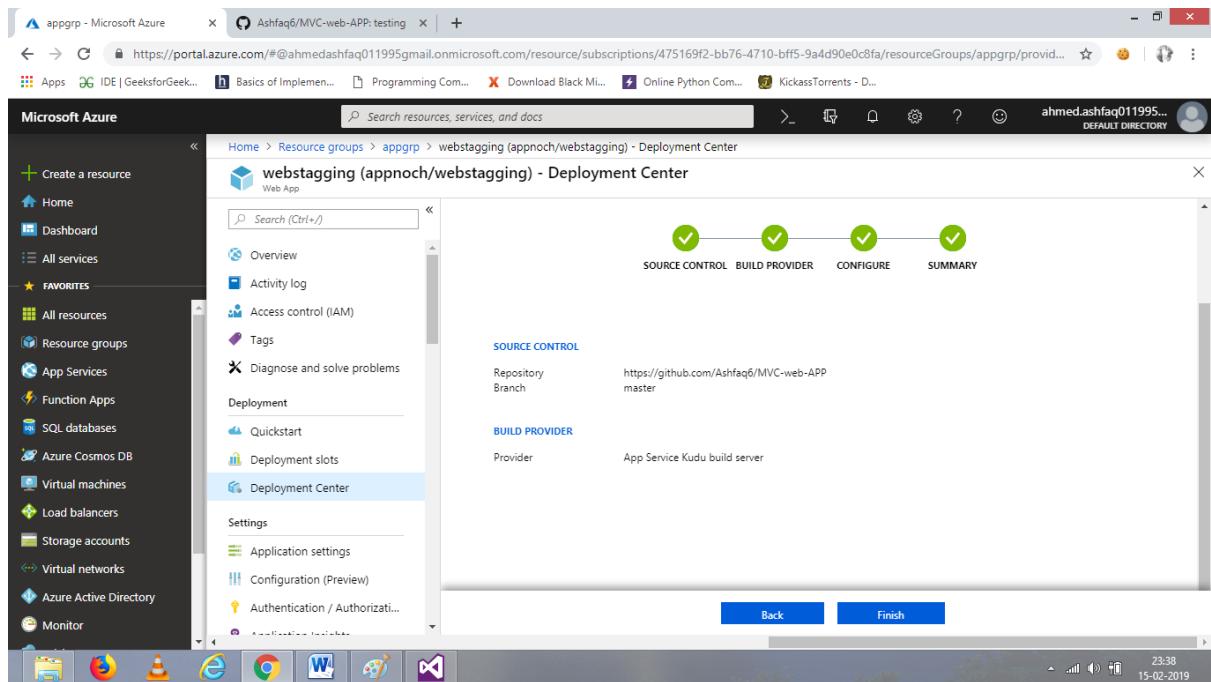
- URL: <https://appnoch-webstaging.azurewebsites.net>
- App Service Plan: appplan (Standard: 1 Small)
- FTP/deployment username: No FTP/deployment user set
- FTP hostname: <ftp://waws-prod-pn1-001.ftp.azurewebsites.windows.net>
- FTPS hostname: <https://waws-prod-pn1-001.ftp.azurewebsites.windows.net>

Click on git hub and connect it with git hub profile.

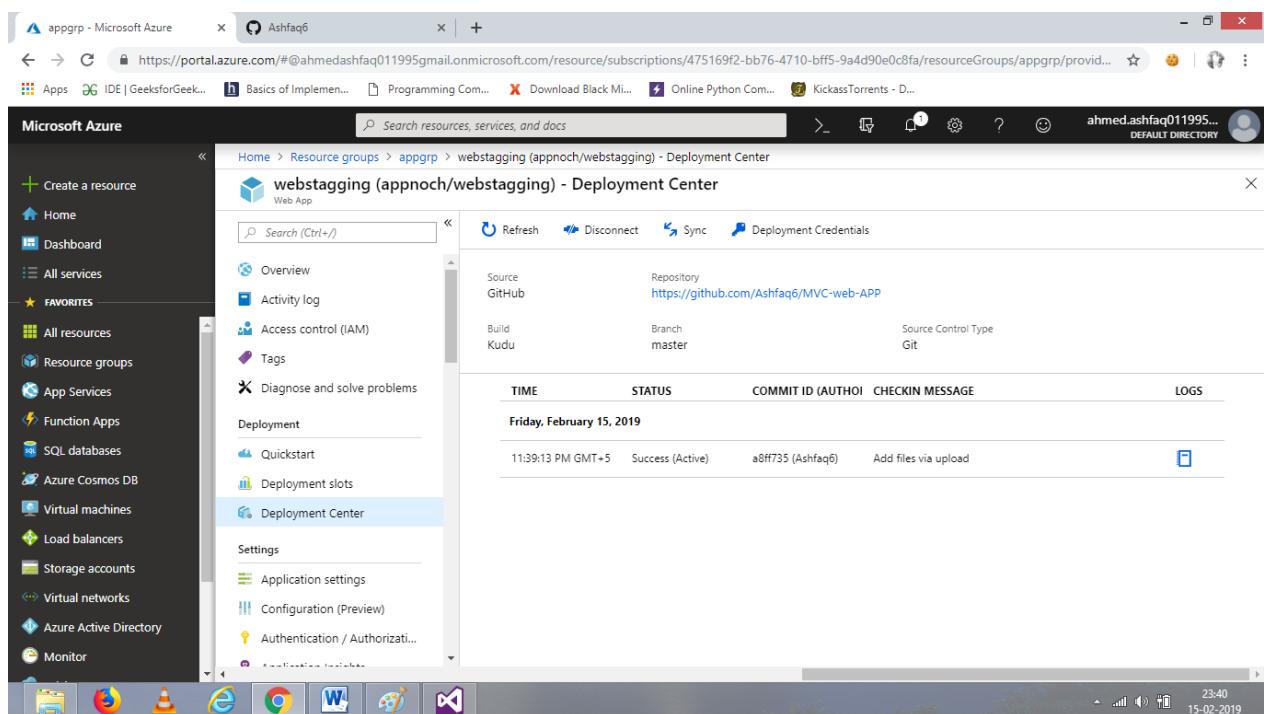
Click continue to proceed.



Select the repository and branch and proceed.



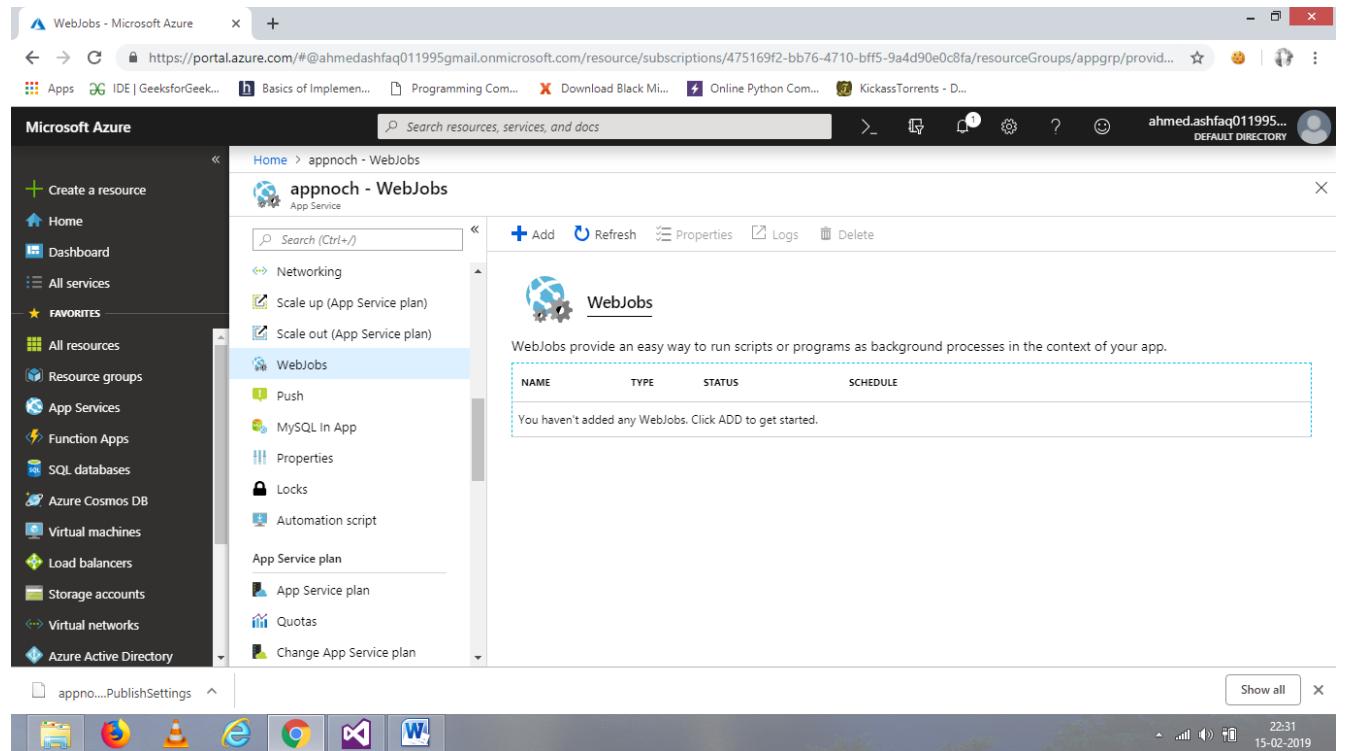
Click on finish.



These how git hub file is integrated.

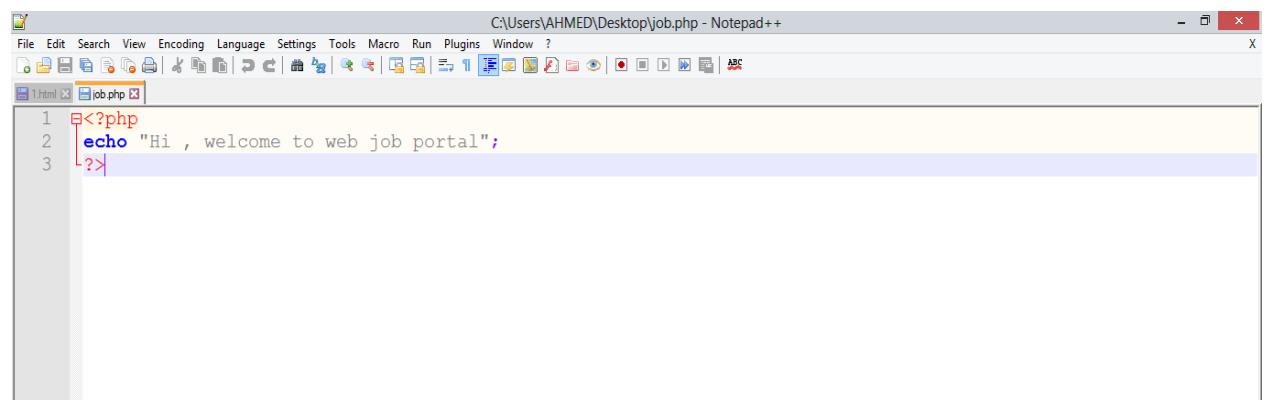
CREATING WEB JOBS

Go to web jobs and add new file



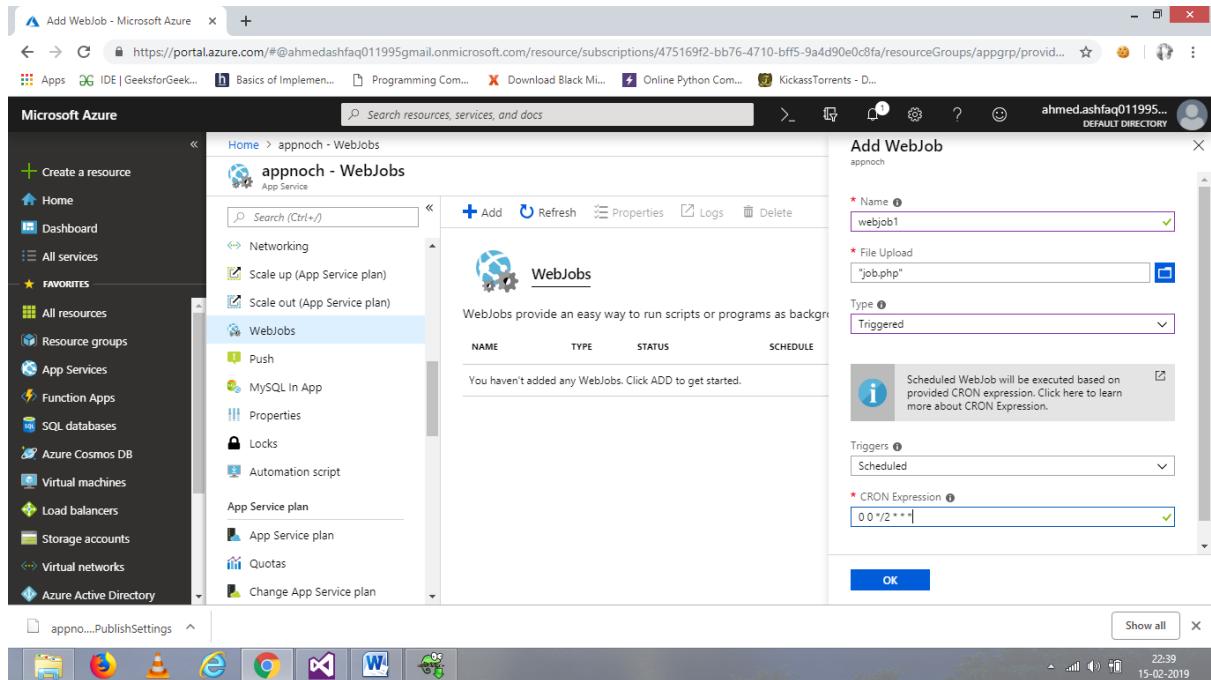
The screenshot shows the Microsoft Azure portal interface. The user is in the 'WebJobs' section of an 'App Service' named 'appnoch'. The 'WebJobs' blade is active, displaying a message: 'You haven't added any WebJobs. Click ADD to get started.' The left sidebar lists various Azure services under 'FAVORITES', including App Services, Function Apps, and SQL databases. The top navigation bar shows the URL as https://portal.azure.com/#@ahmedashfaq011995gmail.onmicrosoft.com/resource/subscriptions/475169f2-bb76-4710-bff5-9a4d90e0c8fa/resourceGroups/appgrp/providers/microsoft.web/sites/appnoch/web/jobs.

Create a file ,it can be(java, PHP etc.)

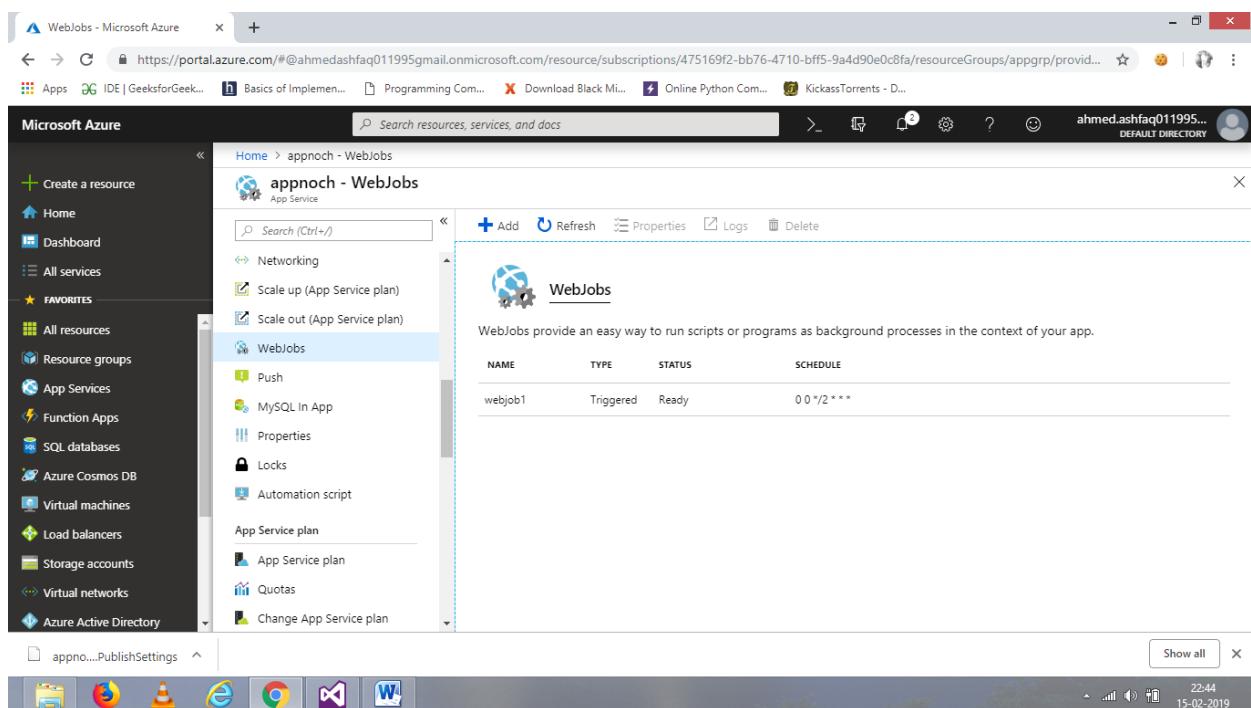


```
C:\Users\AHMED\Desktop\job.php - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
1 <?php
2 echo "Hi , welcome to web job portal";
3 ?>
```

Save and then add new web job



Give name to web job, upload the file and select the type. Fill CORN expression according to the rules and click ok.



If want to run the web job, click on run.

Microsoft Azure

WebJobs - Microsoft Azure

https://portal.azure.com/#@ahmedashfaq011995@gmail.onmicrosoft.com/resource/subscriptions/475169f2-bb76-4710-bff5-9a4d90e0c8fa/resourceGroups/appgrp/providers...

Apps IDE | GeeksforGeek... Basics of Implement... Programming Com... Download Black Mi... Online Python Com... KickassTorrents - D...

ahmedashfaq011995... DEFAULT DIRECTORY

Microsoft Azure

Home > appnoch - WebJobs

appnoch - WebJobs

App Service

Search resources, services, and docs

Create a resource

Home Dashboard All services **FAVORITES** All resources Resource groups App Services Function Apps SQL databases Azure Cosmos DB Virtual machines Load balancers Storage accounts Virtual networks Azure Active Directory

Networking Scale up (App Service plan) Scale out (App Service plan) WebJobs Push MySQL In App Properties Locks Automation script App Service plan App Service plan Quotas Change App Service plan

+ Add Refresh Run Properties Logs Delete

WebJobs

WebJobs provide an easy way to run scripts or programs as background processes in the context of your app.

NAME	TYPE	STATUS	SCHEDULE
webjob1	Triggered	Ready	0 0 */2 * * *

Show all

22:46 15-02-2019

Microsoft Azure

WebJobs - Microsoft Azure

https://portal.azure.com/#@ahmedashfaq011995@gmail.onmicrosoft.com/resource/subscriptions/475169f2-bb76-4710-bff5-9a4d90e0c8fa/resourceGroups/appgrp/providers...

Apps IDE | GeeksforGeek... Basics of Implement... Programming Com... Download Black Mi... Online Python Com... KickassTorrents - D...

ahmedashfaq011995... DEFAULT DIRECTORY

Microsoft Azure

Home > appnoch - WebJobs

appnoch - WebJobs

App Service

Search resources, services, and docs

Create a resource

Home Dashboard All services **FAVORITES** All resources Resource groups App Services Function Apps SQL databases Azure Cosmos DB Virtual machines Load balancers Storage accounts Virtual networks Azure Active Directory

Networking Scale up (App Service plan) Scale out (App Service plan) WebJobs Push MySQL In App Properties Locks Automation script App Service plan App Service plan Quotas Change App Service plan

+ Add Refresh Run Properties Logs Delete

Run WebJob

Are you sure you want to run the selected WebJob?

Yes No

NAME	TYPE	STATUS	SCHEDULE
webjob1	Triggered	Ready	0 0 */2 * * *

Show all

22:47 15-02-2019

Click yes to run.

To visit the job click on logs.

WebJobs - Microsoft Azure

https://portal.azure.com/#@ahmedashfaq011995@gmail.onmicrosoft.com/resource/subscriptions/475169f2-bb76-4710-bff5-9a4d90e0c8fa/resourceGroups/appgrp/providers...

Apps IDE | GeeksforGeek... Basics of Implement... Programming Com... Download Black Mi... Online Python Com... KickassTorrents - D...

Microsoft Azure

Home > appnoch - WebJobs

appnoch - WebJobs

Search resources, services, and docs

Add Refresh Properties Logs Delete

WebJobs

WebJobs provide an easy way to run scripts or programs as background processes in the context of your app.

NAME	TYPE	STATUS	SCHEDULE
webjob1	Triggered	Running	0 0 * /2 * *

Create a resource

Home Dashboard All services FAVORITES All resources Resource groups App Services Function Apps SQL databases Azure Cosmos DB Virtual machines Load balancers Storage accounts Virtual networks Azure Active Directory

appno...PublishSettings Show all

22:48 15-02-2019

NAME	TYPE	STATUS	SCHEDULE
webjob1	Triggered	Running	0 0 * /2 * *

WebJobs - Microsoft Azure

https://appnoch.scm.azurewebsites.net/azurejobs/#/jobs

Apps IDE | GeeksforGeek... Basics of Implement... Programming Com... Download Black Mi... Online Python Com... KickassTorrents - D...

Microsoft Azure WebJobs

Functions

WebJobs

NAME	STATUS	LAST RUN TIME
webjob1	Success	7 minutes ago (3 s)

appno...PublishSettings Show all

22:54 15-02-2019

NAME	STATUS	LAST RUN TIME
webjob1	Success	7 minutes ago (3 s)

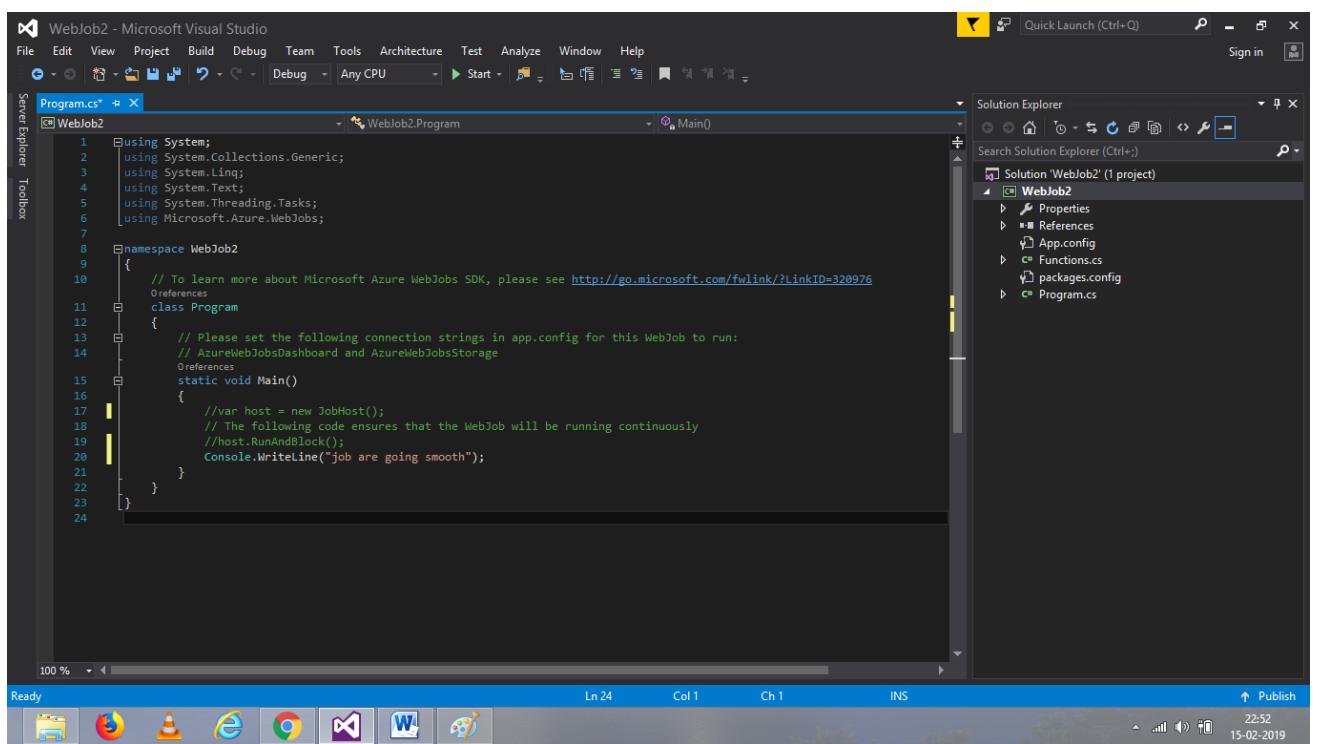
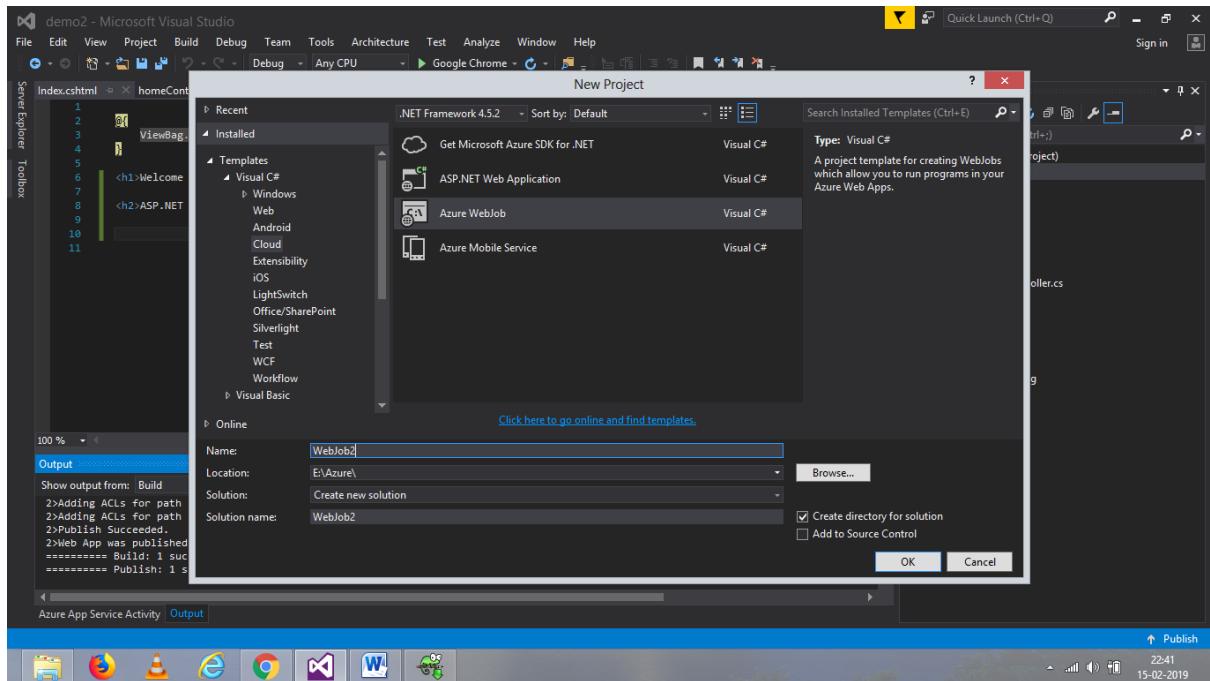
The screenshot shows the Microsoft Azure WebJobs dashboard. At the top, there's a header bar with tabs for 'WebJobs' and 'Functions'. Below the header, a section titled 'WebJob Details' for 'webjob1' is displayed. It shows a button to 'Run command: job.php'. Under 'Recent job runs', there's a table with two columns: 'TIMING' and 'STATUS'. A single entry is shown: '8 minutes ago (3 s running time)' with a 'Success' status. A note at the bottom encourages users to 'Do more with Microsoft Azure WebJobs SDK. The SDK integrates Microsoft Azure Storage, triggering a function in your program when items are added to Queues, Blobs, or Tables.' The taskbar at the bottom of the screen shows various application icons.

This screenshot shows the Microsoft Azure WebJobs dashboard again, but this time it displays the 'WebJob Run Details' for 'webjob1'. It shows a green banner indicating a successful run: 'Success 8 minutes ago (3 s running time)' and 'Run ID: 201902151717302358'. Below this, there's a 'Toggle Output' button and a scrollable log window. The log output is as follows:

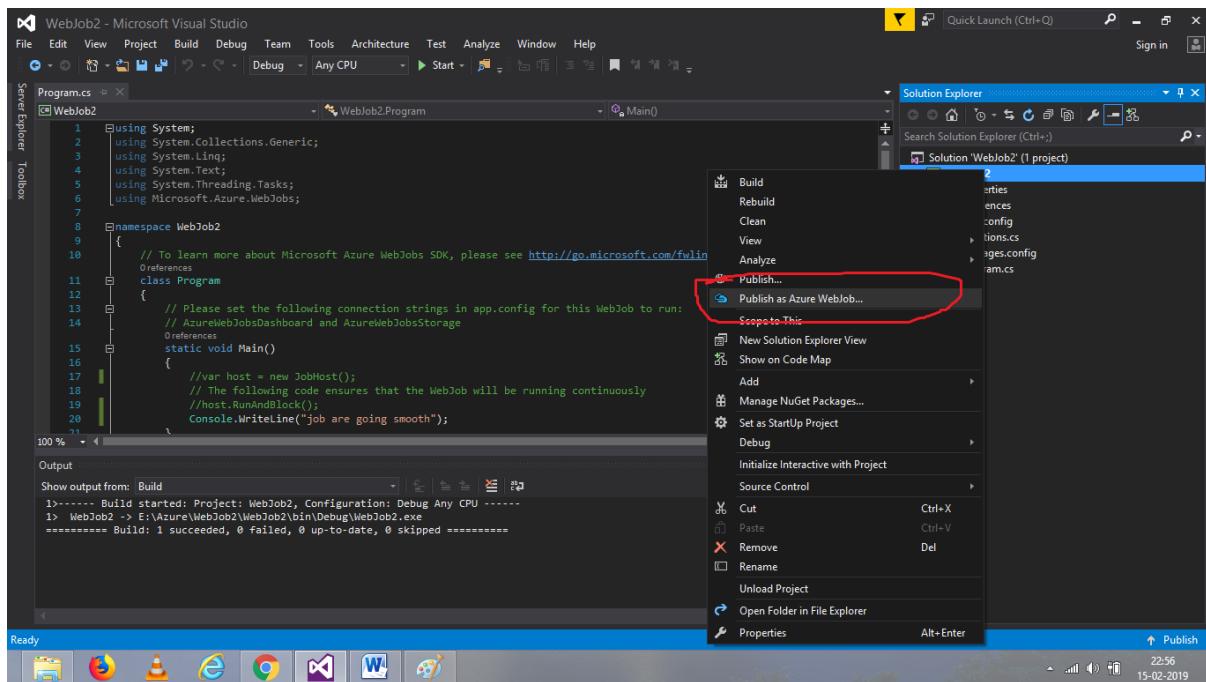
```
[02/15/2019 17:17:30 > 6f6de3: SYS INFO] Status changed to Initializing  
[02/15/2019 17:17:30 > 6f6de3: SYS INFO] Run script 'job.php' with script host - 'PhpScriptHost'  
[02/15/2019 17:17:30 > 6f6de3: SYS INFO] Status changed to Running  
[02/15/2019 17:17:33 > 6f6de3: INFO] Hi , welcome to web job portal  
[02/15/2019 17:17:33 > 6f6de3: SYS INFO] Status changed to Success
```

At the bottom, there's a note about the Microsoft Azure WebJobs SDK. The taskbar at the bottom of the screen shows various application icons.

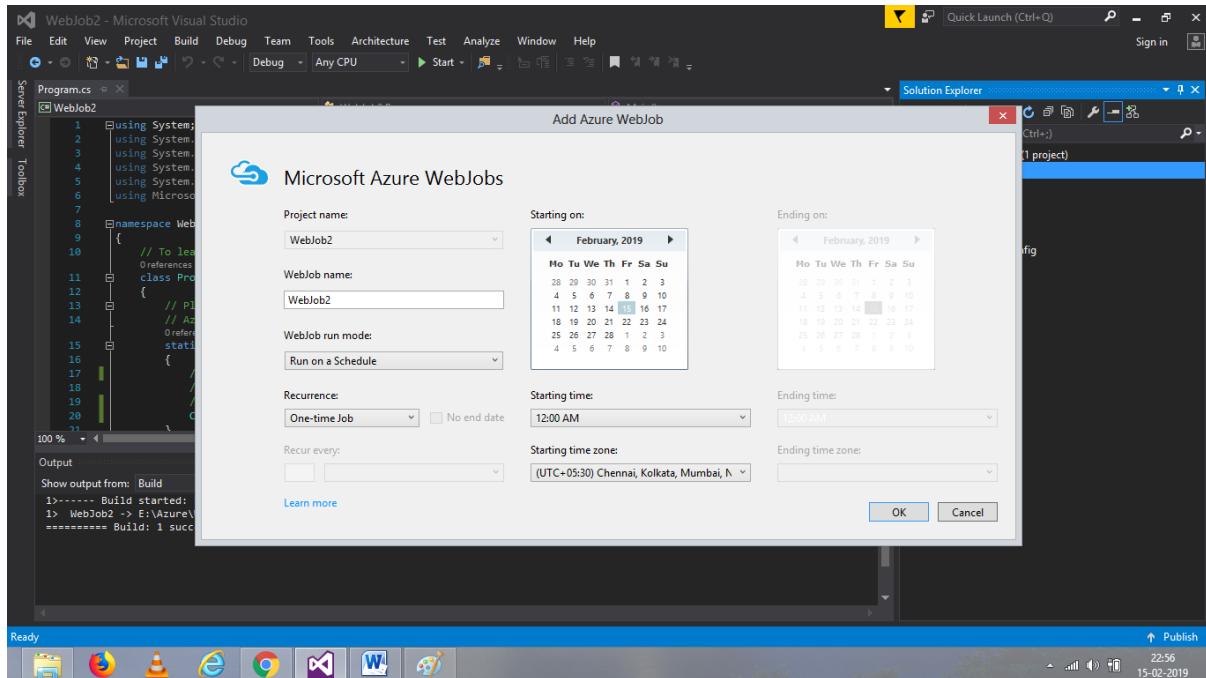
For creating web jobs by visual studio. Go to visual studio->project->Azure web job



Build and publish the web job.



You can schedule the job according to need and click ok.



Microsoft Azure

WebJobs - Microsoft Azure | Azure WebJobs dashboard | https://portal.azure.com/#/ahmedashfaq011995@gmail.onmicrosoft.com/resource/subscriptions/475169f2-bb76-4710-bff5-9a4d90e0c8fa/resourceGroups/appgrp/provid... | ahmed.ashfaq011995... | DEFAULT DIRECTORY

Search resources, services, and docs

Home > appnoch - WebJobs

appnoch - WebJobs

App Service

Networking

Scale up (App Service plan)

Scale out (App Service plan)

WebJobs

Push

MySQL In App

Properties

Locks

Automation script

App Service plan

App Service plan

Quotas

Change App Service plan

NAME TYPE STATUS SCHEDULE

NAME	TYPE	STATUS	SCHEDULE
webjob1	Triggered	Completed 14 min ago	0 0 */2 * * *
WebJob2	Triggered	Ready	n/a

Show all

23:01 15-02-2019

WebJobs - Microsoft Azure | Azure WebJobs dashboard | https://appnoch.scm.azurewebsites.net/azurejobs/#/jobs/triggered/WebJob2/runs/20190215173220334 | ahmed.ashfaq011995... | Functions

Microsoft Azure WebJobs

WebJobs / WebJob2

WebJob Run Details WebJob2

Success 25 seconds ago (2 s running time)
Run ID: 20190215173220334

Toggle Output

download

```
[02/15/2019 17:32:20 > 6f6de3: SYS INFO] Status changed to Initializing  
[02/15/2019 17:32:21 > 6f6de3: SYS INFO] Run script 'WebJob2.exe' with script host - 'WindowsScriptHost'  
[02/15/2019 17:32:21 > 6f6de3: SYS INFO] Status changed to Running  
[02/15/2019 17:32:21 > 6f6de3: INFO] job are going smooth  
[02/15/2019 17:32:21 > 6f6de3: SYS INFO] Status changed to Success
```

Do more with Microsoft Azure WebJobs SDK. The SDK integrates Microsoft Azure Storage, triggering a function in your program when items are added to Queues, Blobs, or Tables.

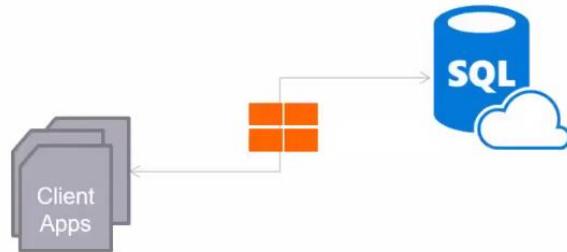
appnoch...PublishSettings | Show all

23:02 15-02-2019

WEB APPLICATION USING AZURE SQL DB

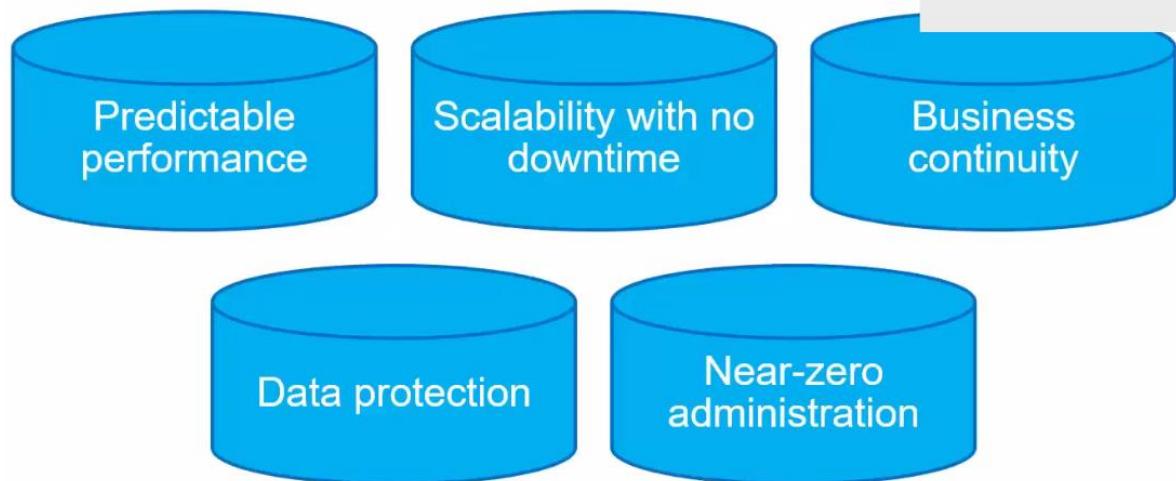
Azure SQL Database

- Relational Database solution on Azure.
- Based on Microsoft SQL Server Engine.



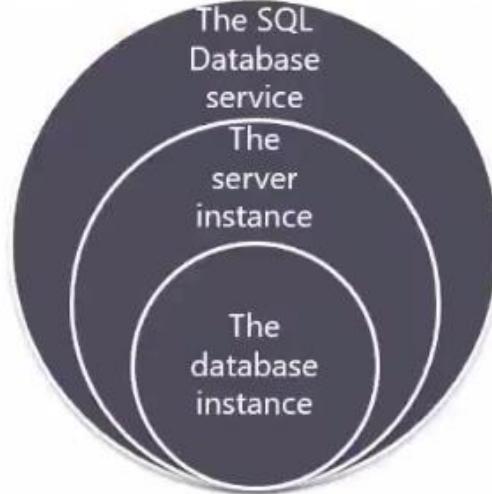
File Video Source View Help

Azure SQL Database Offers



Creating an Azure SQL Database Instance

- Click to add text

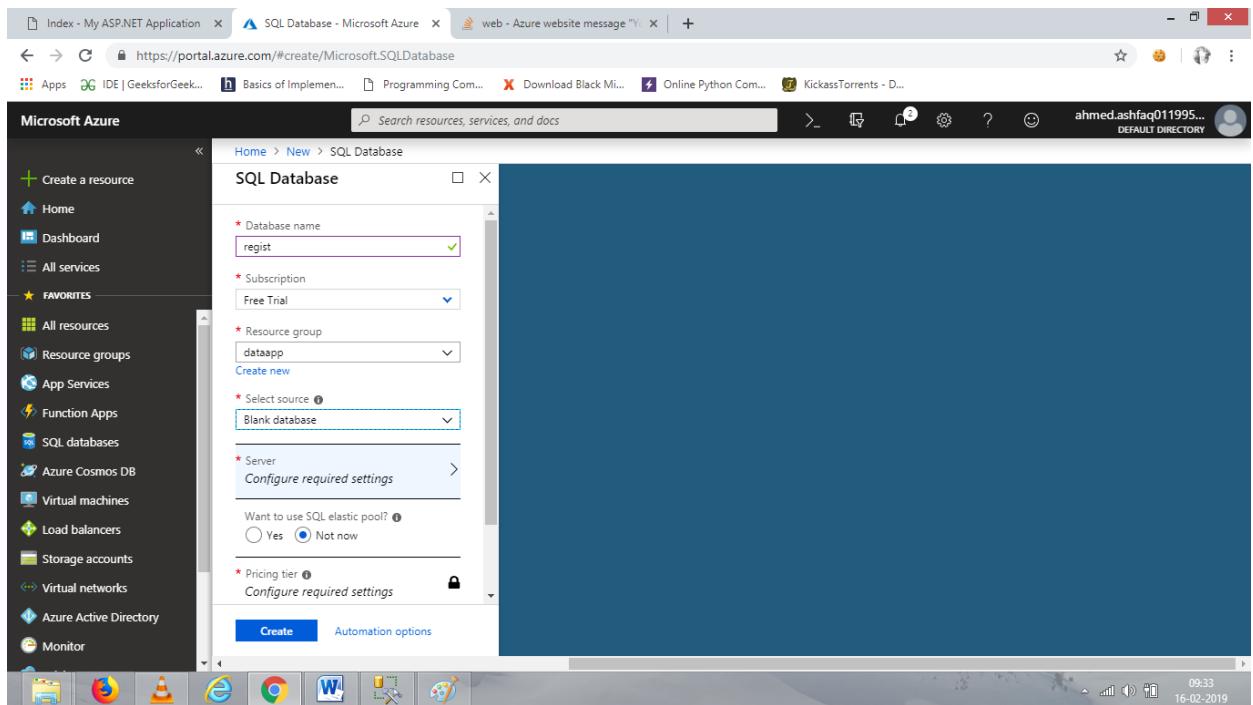


Sensitivity: Internal & Restricted

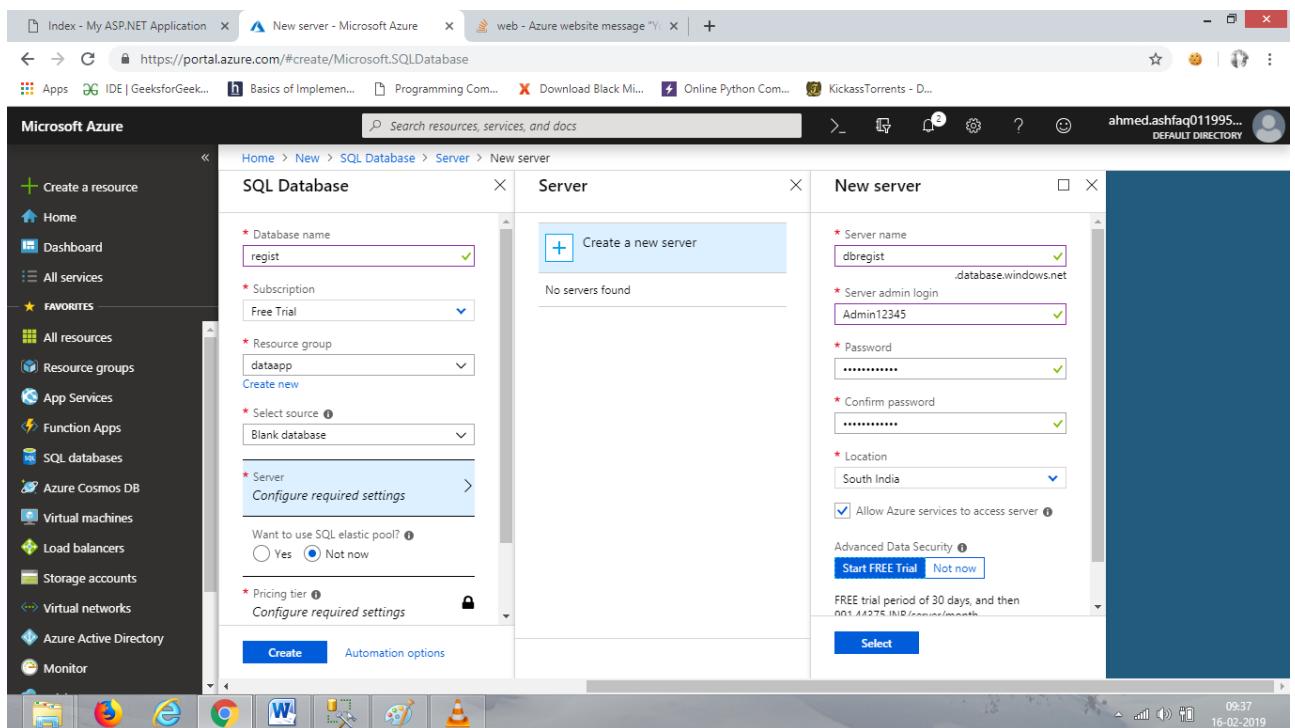
10-28-17 Wipro wipro.com confidential 60

First have to create Azure SQL database

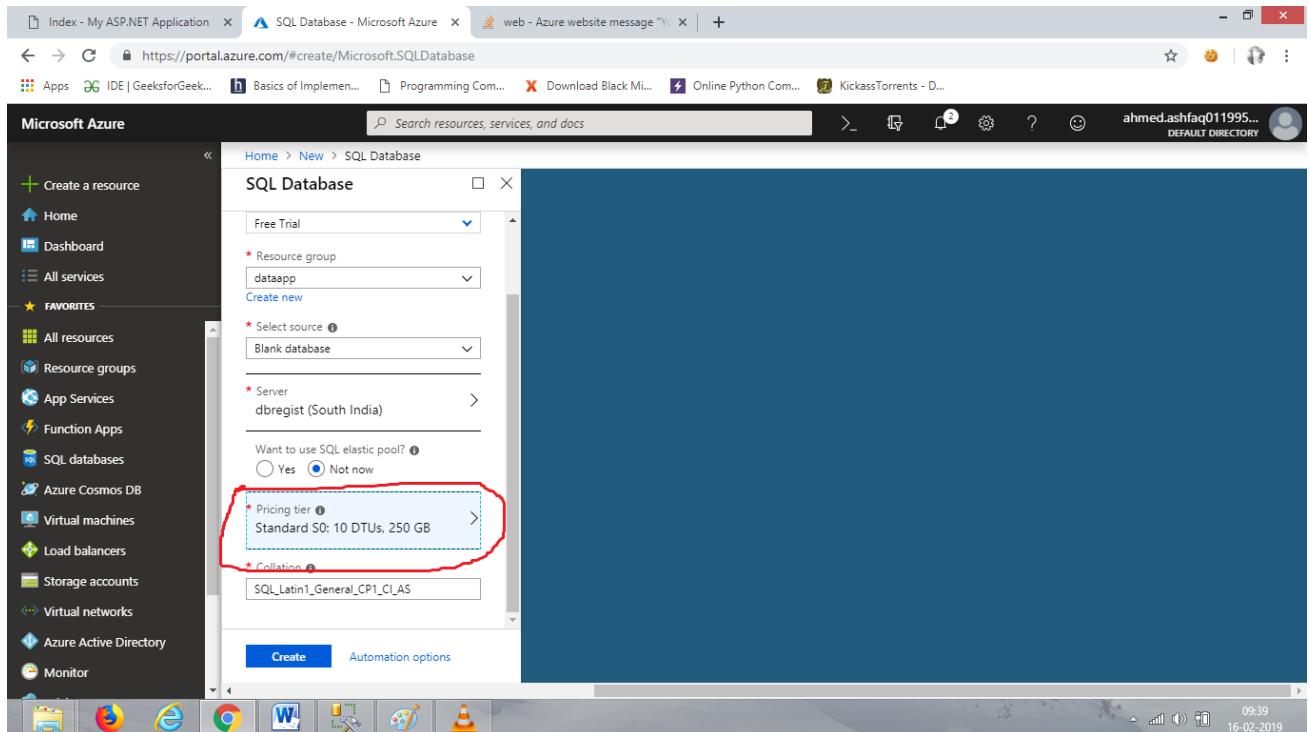
The screenshot shows the Microsoft Azure portal interface. On the left, there is a navigation sidebar with various service icons and a 'Create a resource' button. The main area is titled 'New' and displays the 'Azure Marketplace'. A search bar at the top says 'Search the Marketplace'. Below it, there are tabs for 'Featured' and 'See all'. A list of services is shown, with each item having a 'Quickstart tutorial' link. The 'Databases' section is highlighted with a dashed blue box. The 'SQL Database' item is circled with a pink oval. Other visible items include 'Azure SQL Managed Instance', 'SQL Data Warehouse', 'Cloudera CentOS 7.5', 'Elastic Stack - Elasticsearch, Kibana and Logstash', and 'Azure Database for MySQL'.



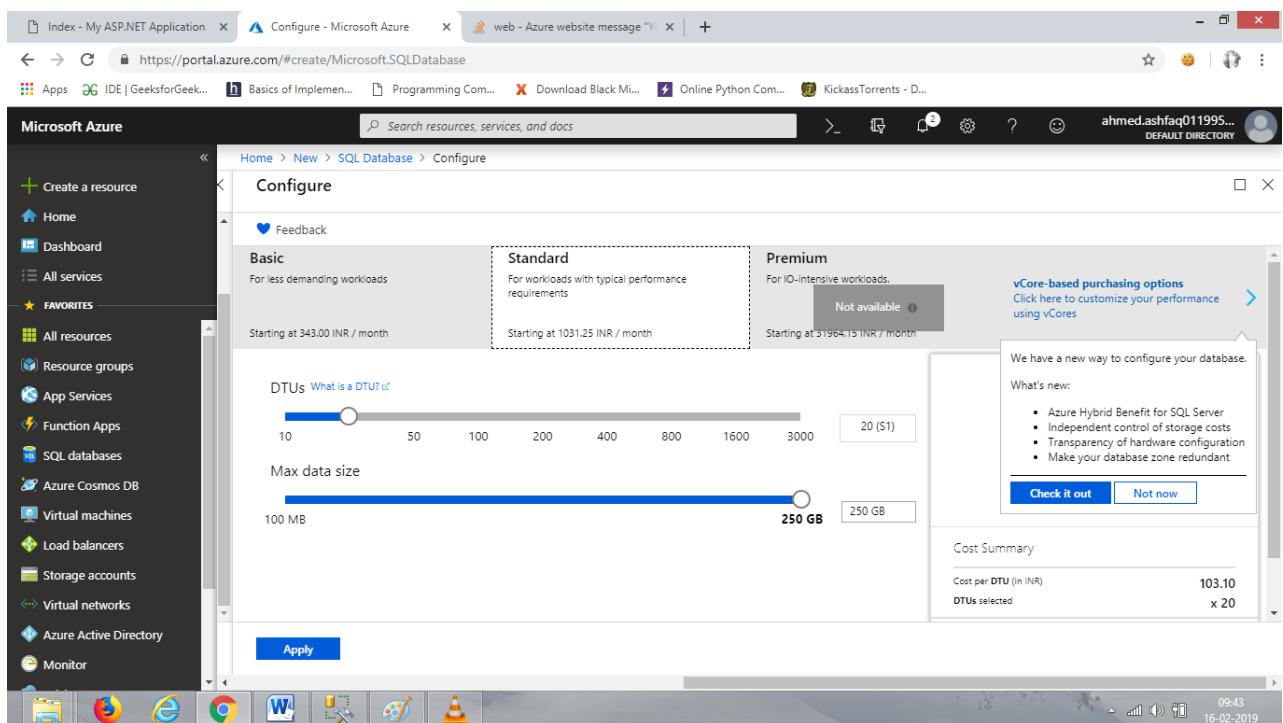
After filling name and group, create a server.



Select the location which is available that time and after giving name, username and password. Confirm it.



Select the pricing for it is important part for the application .



Apply and create the database.

The screenshot shows the Microsoft Azure portal interface. On the left, there's a sidebar with navigation links like Home, Dashboard, All services, and Favorites (All resources, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor). The main content area is titled 'dataapp' under 'Resource groups'. The 'Overview' tab is selected. At the top, it shows 'Subscription (change) Free Trial' and 'Deployments 2 Succeeded'. Below that is a search bar and filter options ('Filter by name...', 'All types', 'All locations', 'No grouping'). A table lists resources: 'dbregist' (SQL server, South India) and 'regist (dbregist/regist)' (SQL database, South India). The bottom right corner shows the date and time: 09:51 16-02-2019.

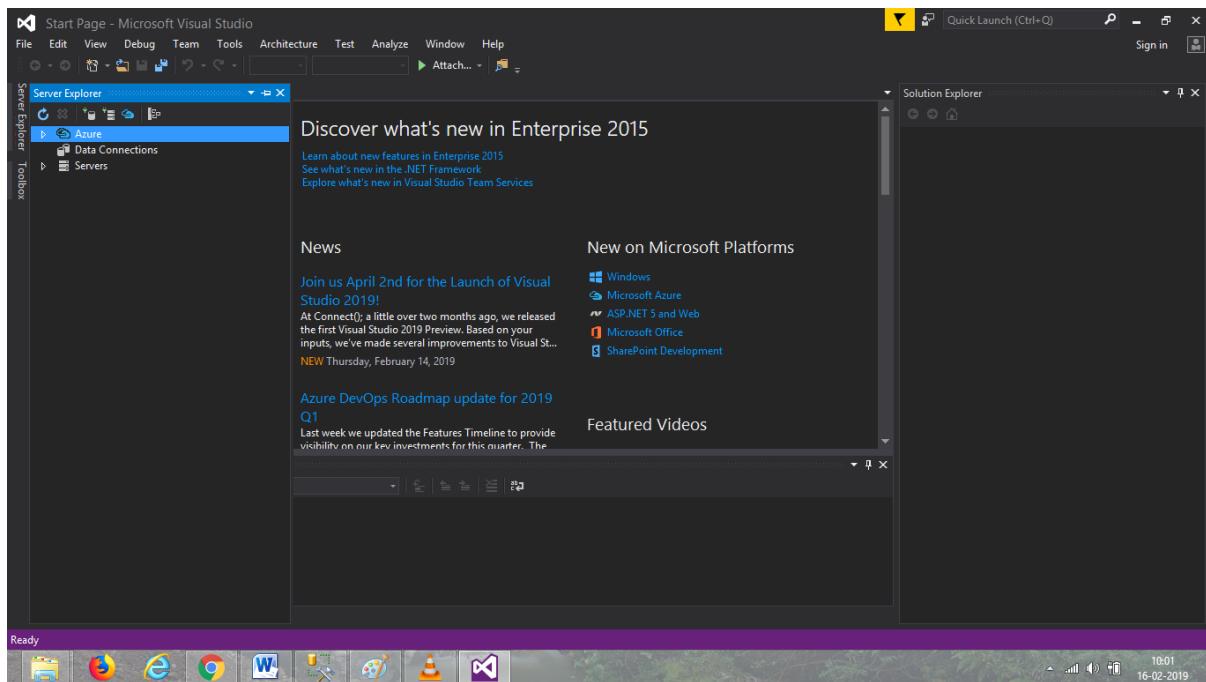
SQL server and SQL database is created. Go for database.

This screenshot shows the details of the 'regist (dbregist/regist)' database within the 'dataapp' resource group. The 'Overview' tab is selected. Key details shown include:

- Resource group: dataapp
- Status: Online
- Location: South India
- Subscription: Free Trial
- Subscription ID: 475169f2-bb76-4710-bfff-9a4d90e0c8fa
- Tags: Click here to add tags
- Server name: dbregist.database.windows.net
- Elastic pool: No elastic pool
- Connection strings: Show database connection strings
- Pricing tier: Standard S1: 20 DTUs
- Oldest restore point: No restore point available

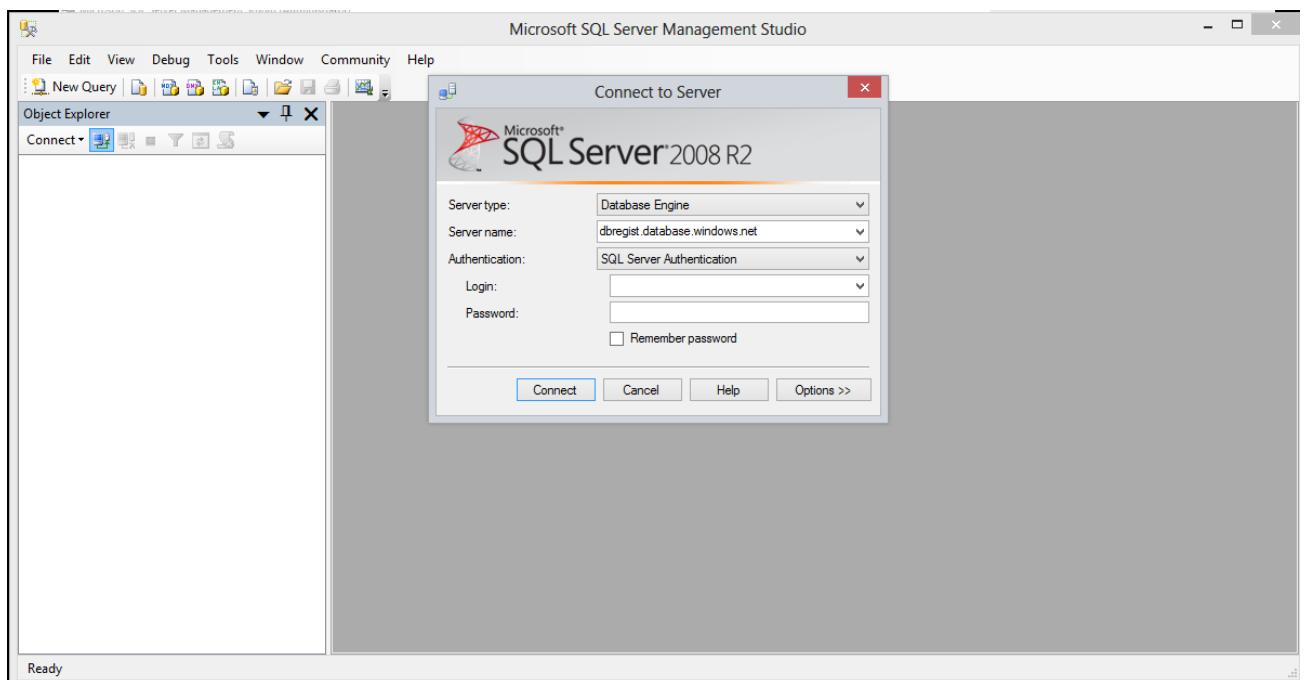
The bottom section shows resource utilization for the 'regist' database over the last 24 hours, with values ranging from 50% to 100%.

Copy the server name form here it will help us to access from SQL server management.

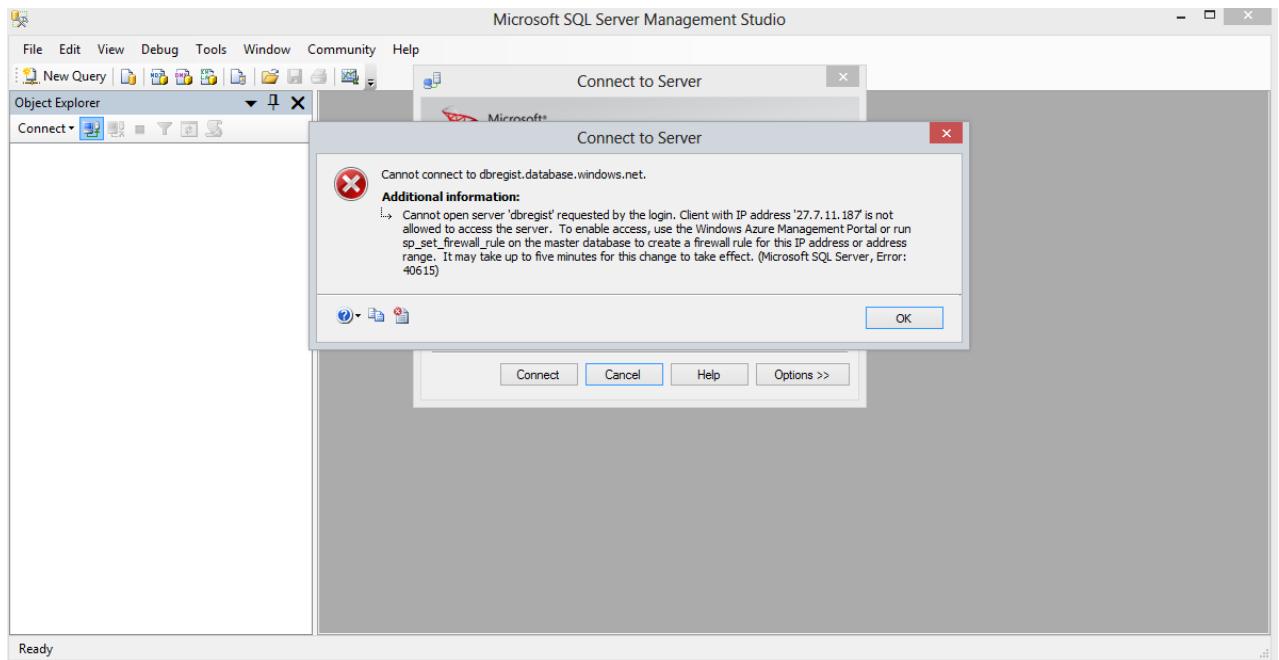


Open visual studio and go to server explorer then connect to Azure sever.

Open SQL server management and enter your azure server name and enter login credentials.

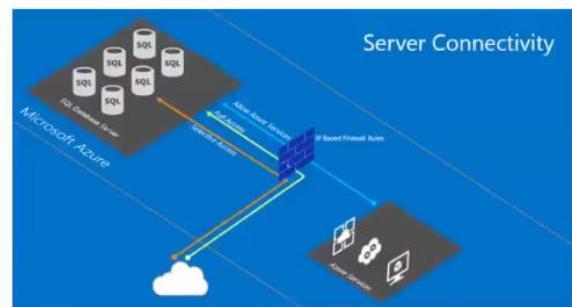


A problem/error will rise for every connection, until it is validate/allow from server.



Microsoft Azure SQL Database Firewall Rules

- Microsoft Azure SQL Database access by default blocked using Firewall
- Microsoft Azure SQL Database Firewall access rules
 - Server Level
 - Database Level



Sensitivity: Internal & Restricted

© 2017 Wibro wibro.com confidential

It prevents anybody to access data from azure SQL database.

So go to SQL server to allow the SQL database management.

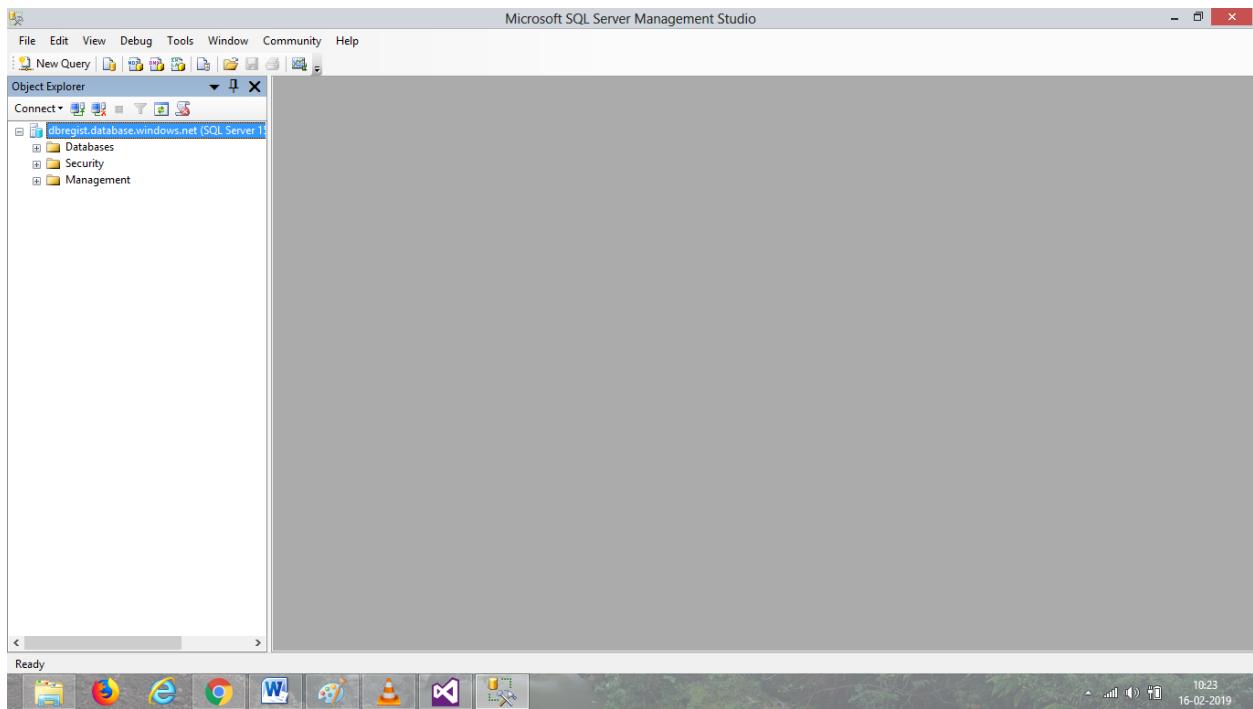
The screenshot shows the Microsoft Azure portal interface. On the left, the navigation menu includes Home, Dashboard, All services, and Favorites (All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor). The main content area shows the details for the 'dbregist' SQL server within the 'dataapp' resource group. The 'Firewalls and virtual networks' section is highlighted with a green oval. Other sections visible include 'Deleted databases', 'Import/Export history', 'Properties', 'Locks', 'Automation script', 'Security' (Advanced Data Security, Auditing), 'Intelligent Performance' (Automatic tuning, Recommendations), and 'Tags'. Notifications and Features tabs are also present.

Open Azure SQL server and firewalls setting.

Add the IP address to allow that address.

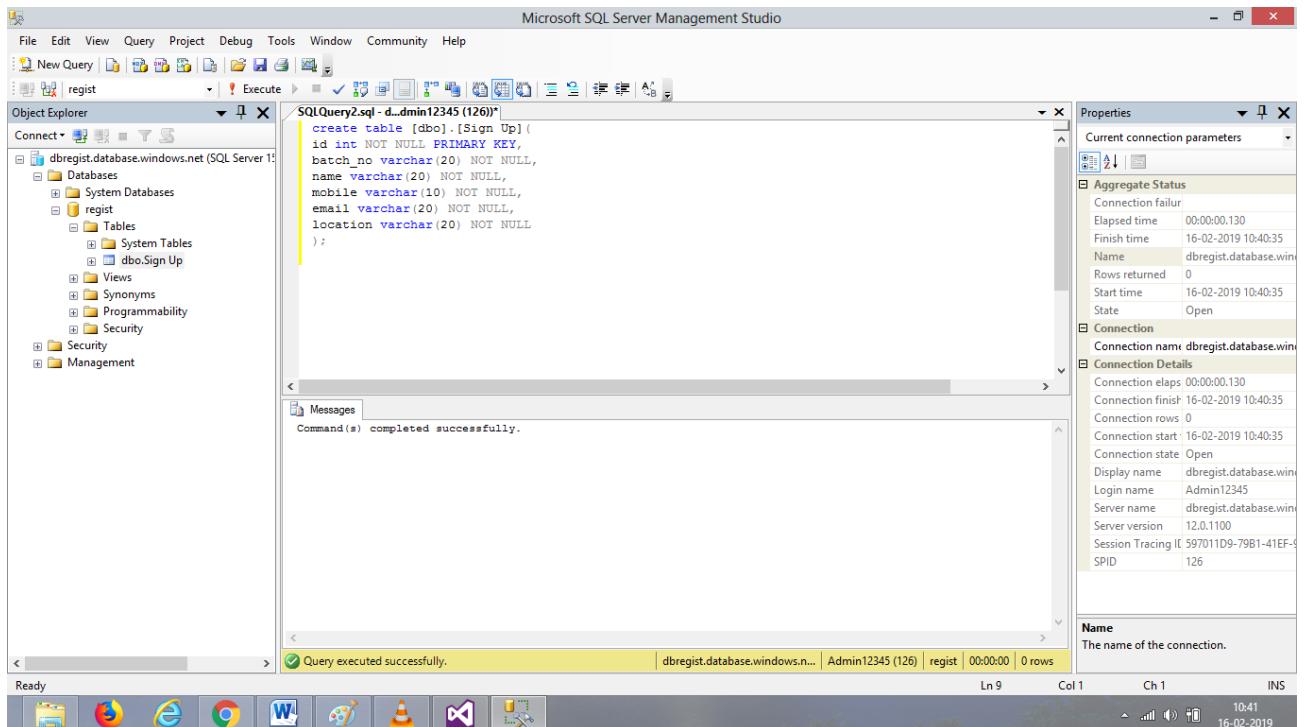
The screenshot shows the 'sampledbfeb - Firewalls and virtual networks' settings page in the Microsoft Azure portal. The 'Firewalls and virtual networks' section is highlighted with a green oval. A new client IP rule named 'client' is being added, with the 'START IP' and 'END IP' both set to '183.83.180.210'. The 'Allow access to Azure services' switch is set to 'ON'. Below the table, there is a note about VNET/Subnet rules. The bottom of the screen shows the Azure navigation bar and a status bar indicating '10:16 16-02-2019'.

Save it after adding.



Now SQL management is connected to the azure SQL database and work can be done here normally.

Add new table in database.



Insert some values in the table.

Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Community Help

New Query Connect Object Explorer

Object Explorer: dbregist.database.windows.net (SQL Server 15)

SQLQuery2.sql - dmin12345 (126)*

```

create table [dbo].[Sign] (
    id int identity(1,1) NOT NULL,
    name varchar(20) NOT NULL,
    mobile varchar(10) NOT NULL,
    email varchar(20) NOT NULL,
    location varchar(20) NOT NULL,
    constraint PK_Sign_id primary key(id)
);

insert into Sign values ('Ashfaq Ahmed','8970654433','abed@gmail.com','Bengaluru');
insert into Sign values ('sila sahoo','8970004493','sila@gmail.com','hydrabad');
insert into Sign values ('deepika kumari','9765448812','kumari@gmail.com','pune');
insert into Sign values ('rahul singh','7081395588','singh@gmail.com','delhi');

select * from Sign

```

Results Messages

	id	name	mobile	email	location
1	1	Ashfaq Ahmed	8970654433	abed@gmail.com	Bengaluru
2	2	sila sahoo	8970004493	sila@gmail.com	hydrabad
3	3	deepika kumari	9765448812	kumari@gmail.com	pune
4	4	rahul singh	7081395588	singh@gmail.com	delhi

Query executed successfully.

Properties

Aggregate Status
Connection failure
Elapsed time: 00:00:00.636
Finish time: 16-02-2019 10:59:30
Name: dbregist.database.windows.net
Rows returned: 4
Start time: 16-02-2019 10:59:29
State: Open

Connection
Connection name: dbregist.database.windows.net
Connection Details
Connection elapsed: 00:00:00.636
Connection finish: 16-02-2019 10:59:30
Connection rows: 4
Connection start: 16-02-2019 10:59:29
Connection state: Open
Display name: dbregist.database.windows.net
Login name: Admin12345
Server name: dbregist.database.windows.net
Server version: 12.0.1100
Session Tracing ID: 597011D9-79B1-41EF-8C9A-
SPID: 126

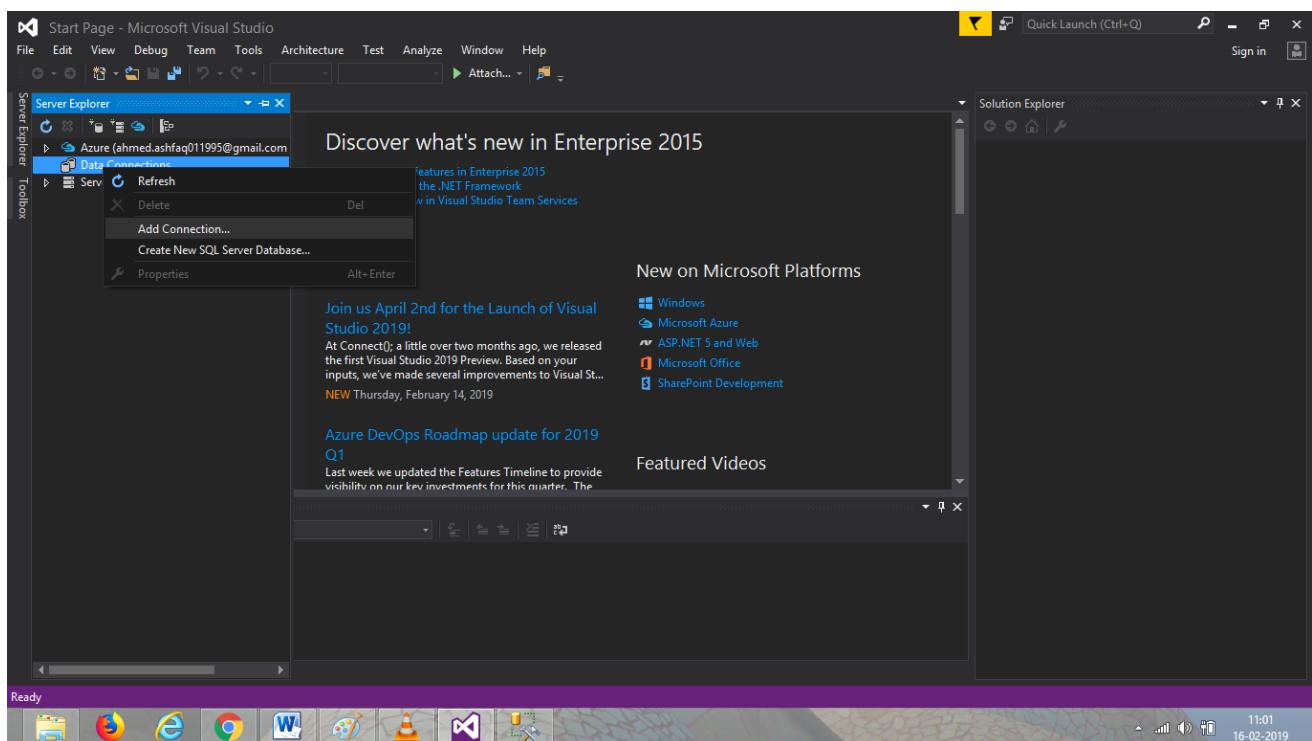
Name: The name of the connection.

Ready

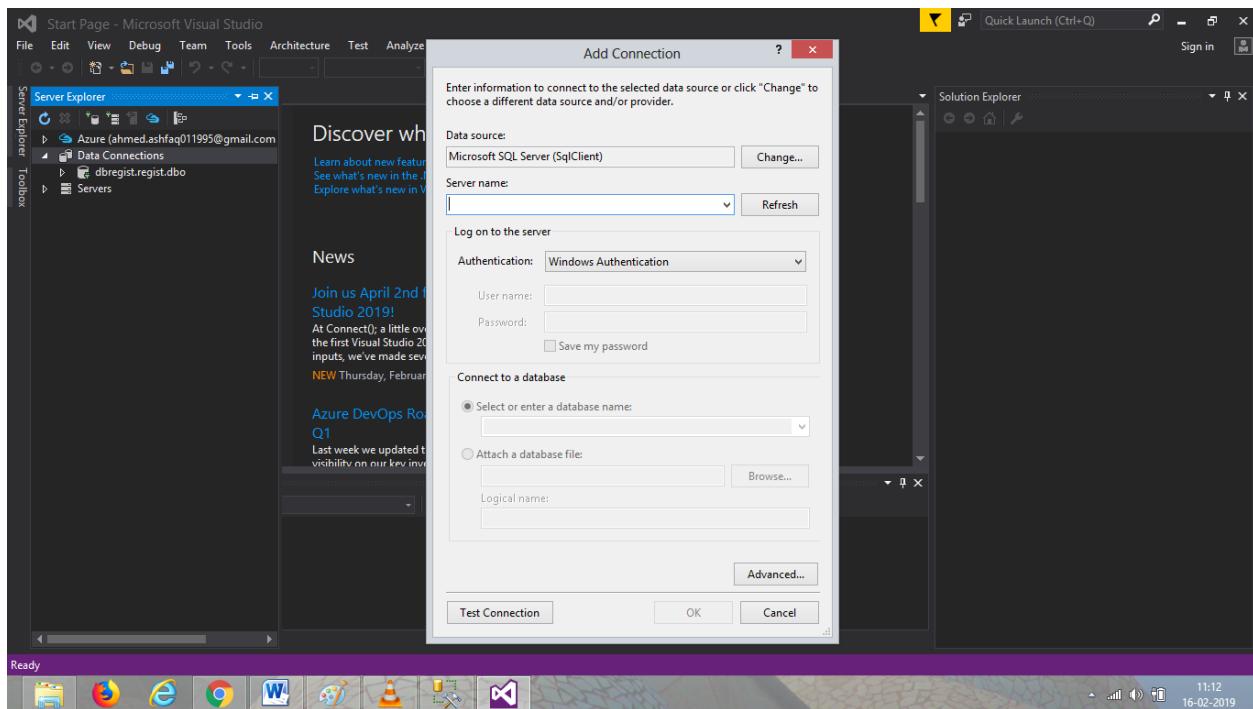
Ln 15 Col 1 Ch 1 INS

10:59 16-02-2019

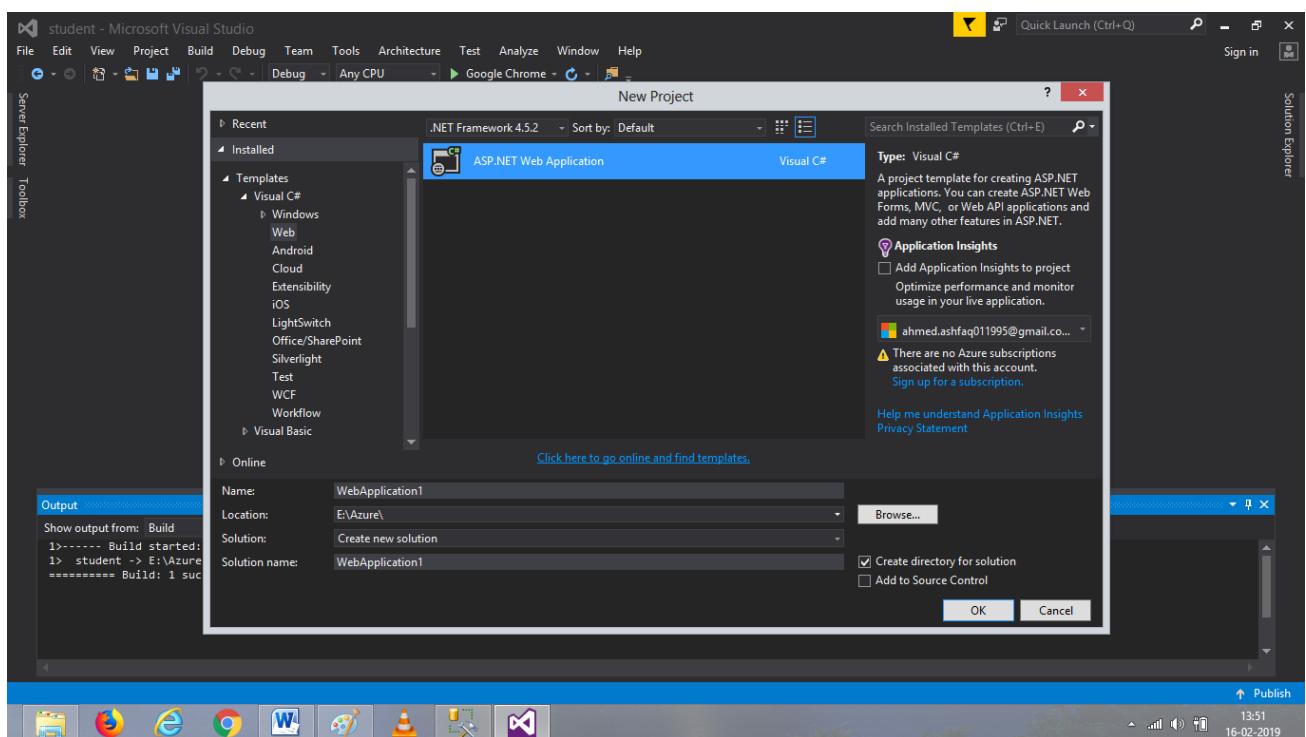
The creation of table is done, now the application in visual studio.



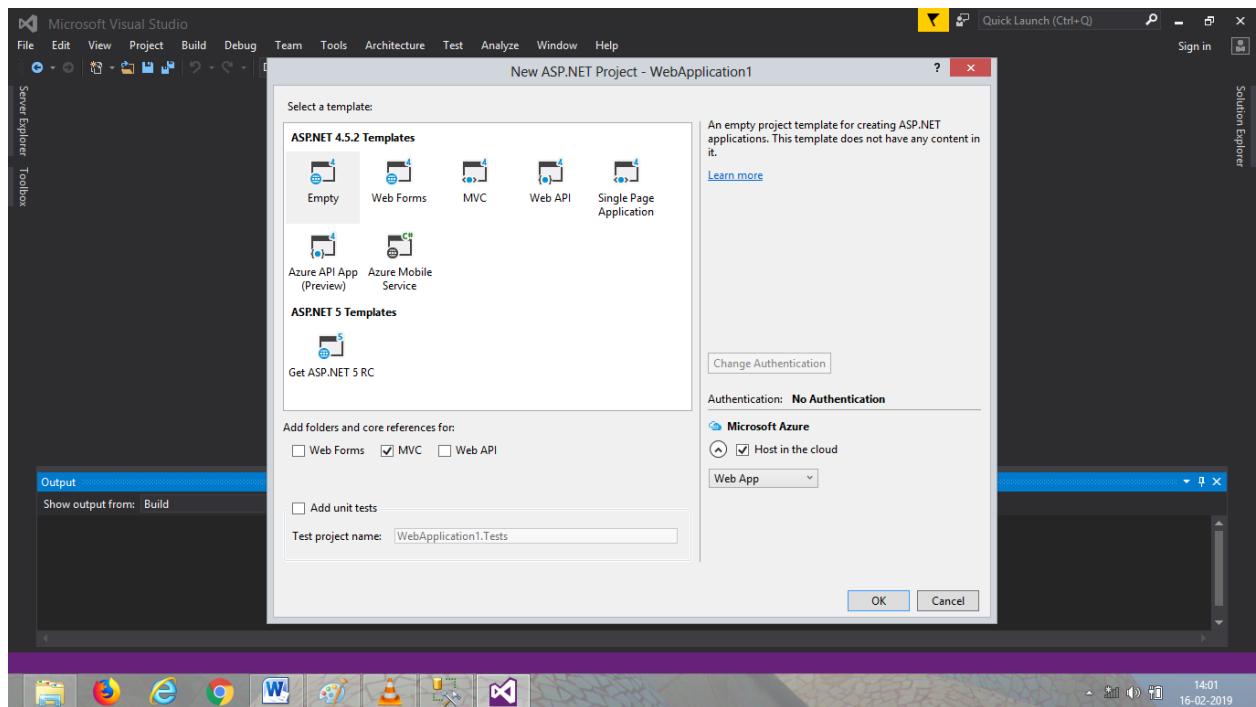
Connect the server to the visual studio.



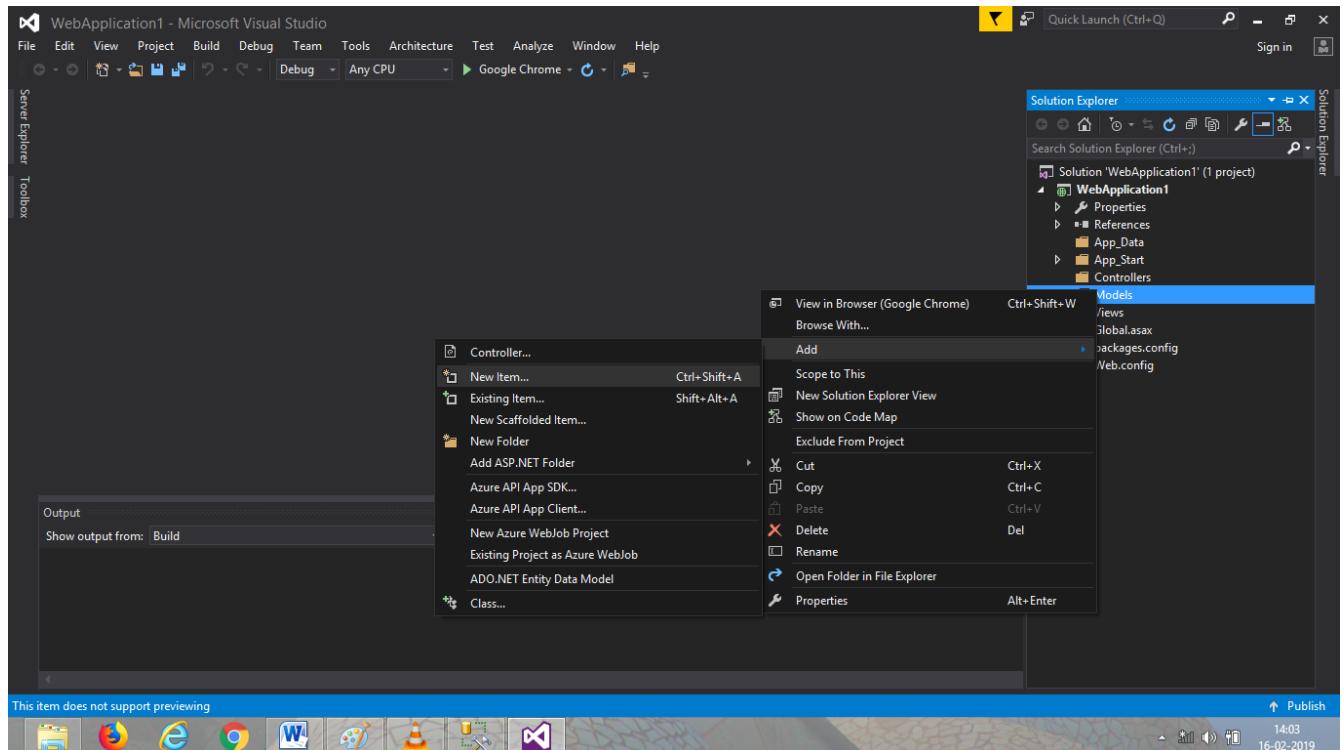
After connection establishes, create the web application.

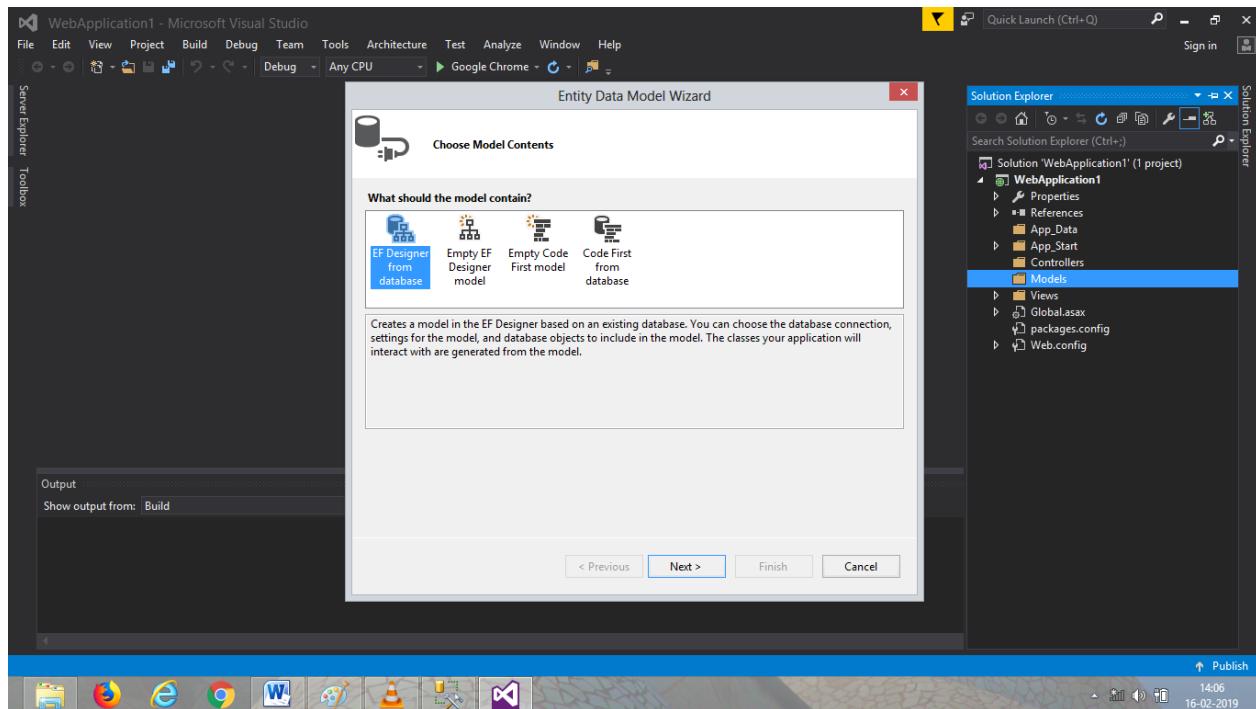
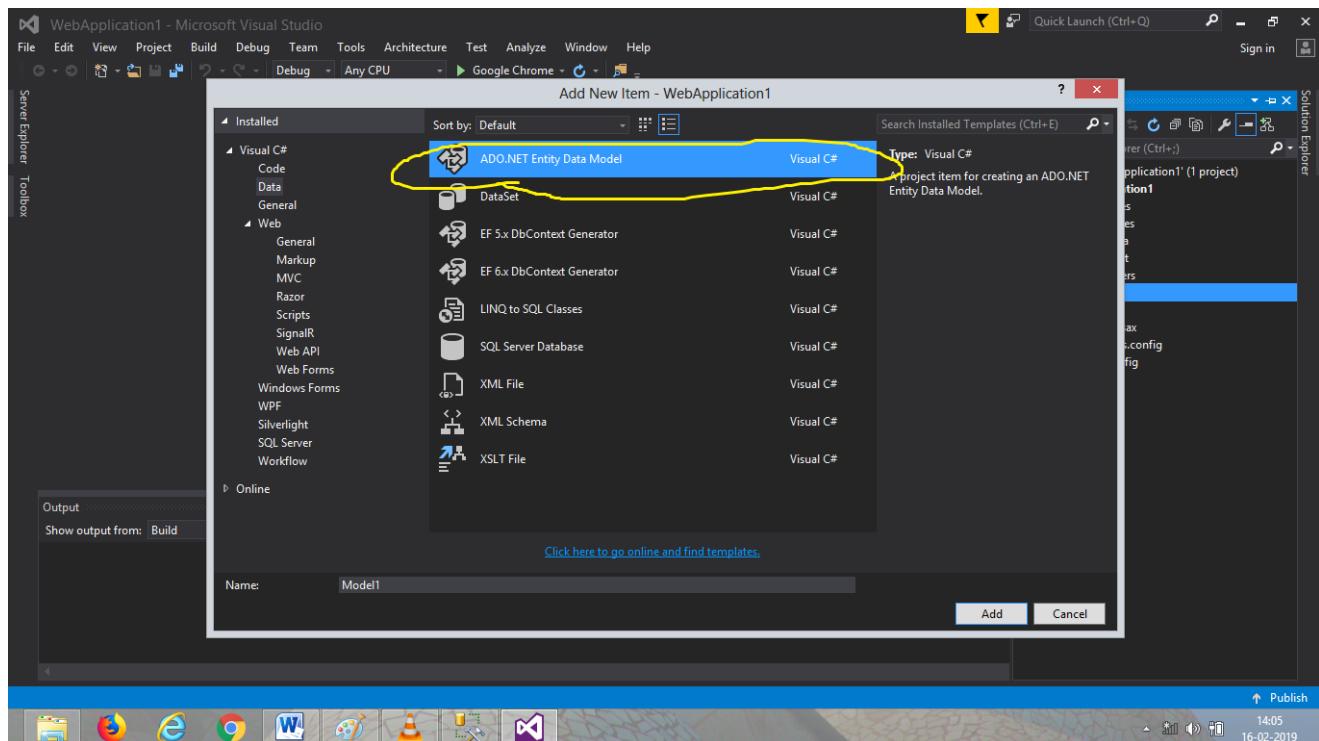


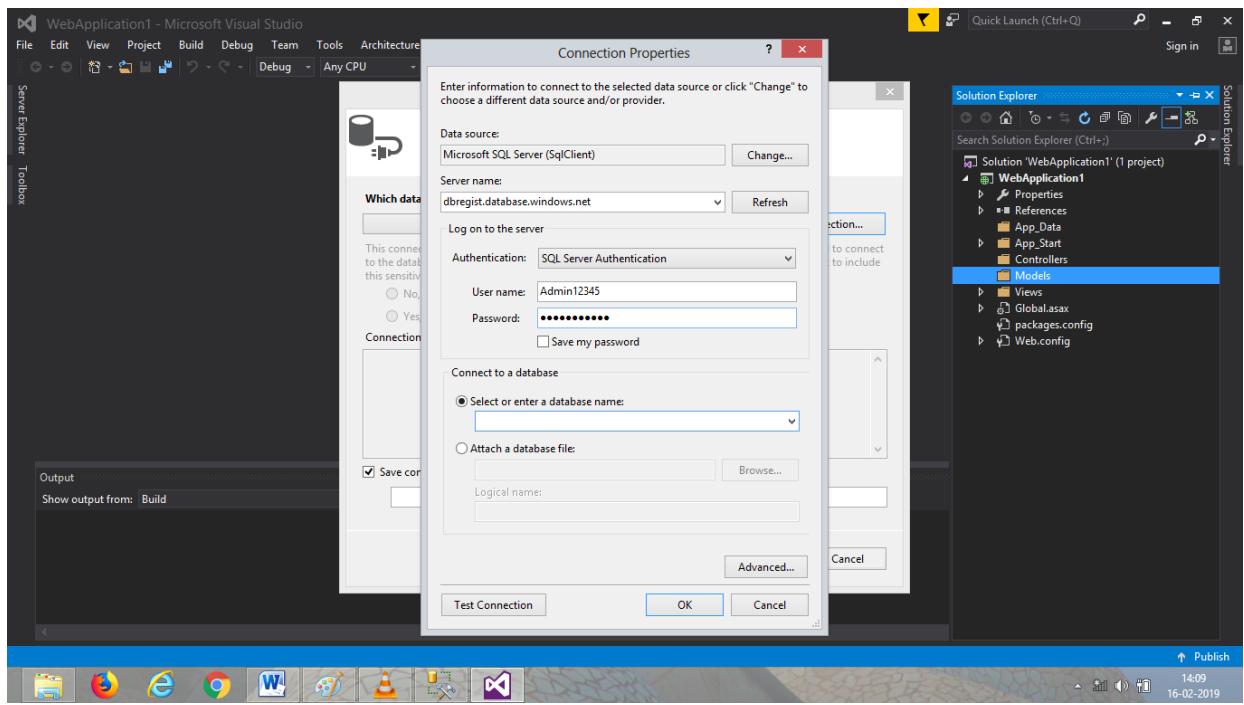
Take an empty mvc /MVC.



Add model first, because we have database.

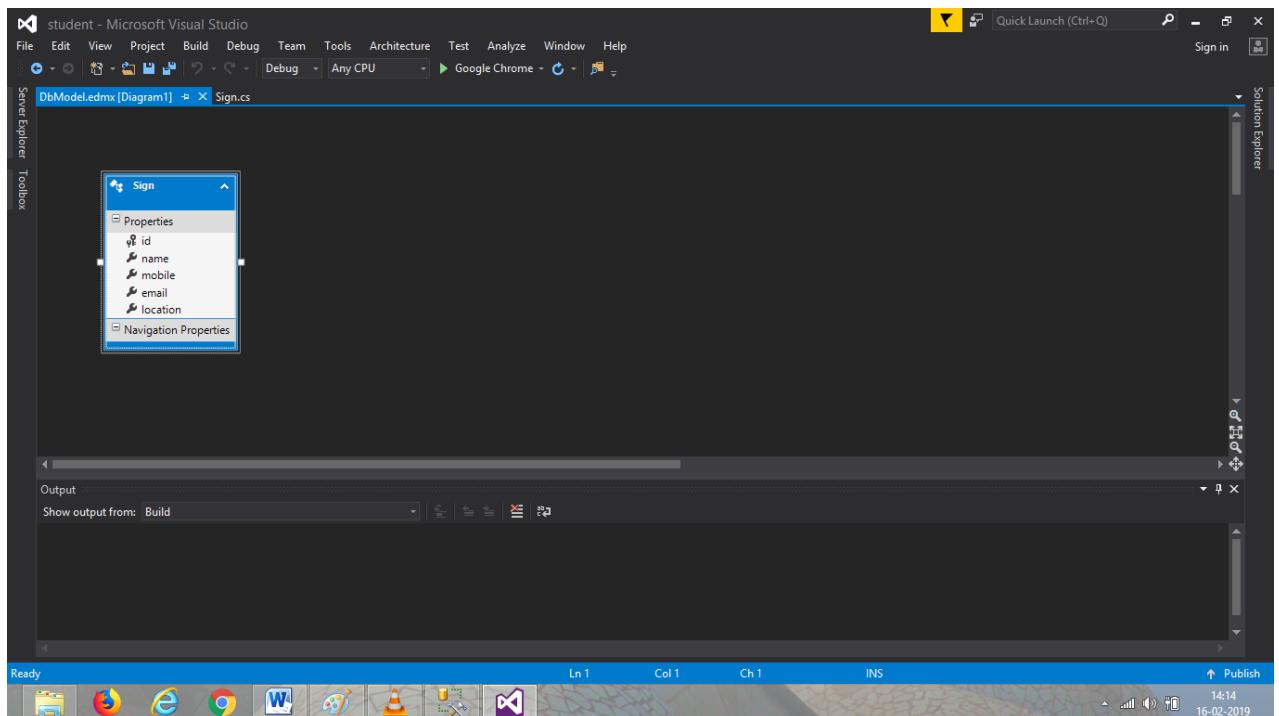






Add server name from azure server and give username and password.

Select the database and click next. Select table and finish model.

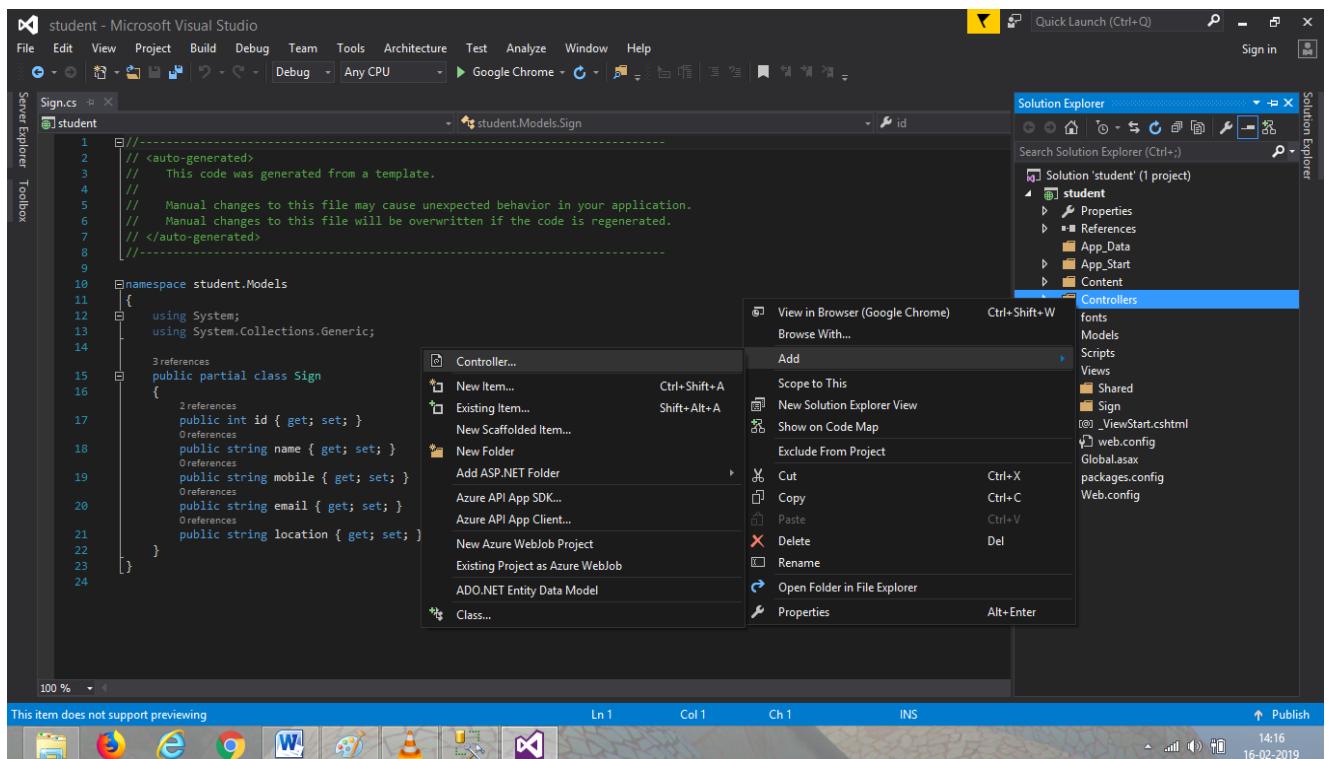


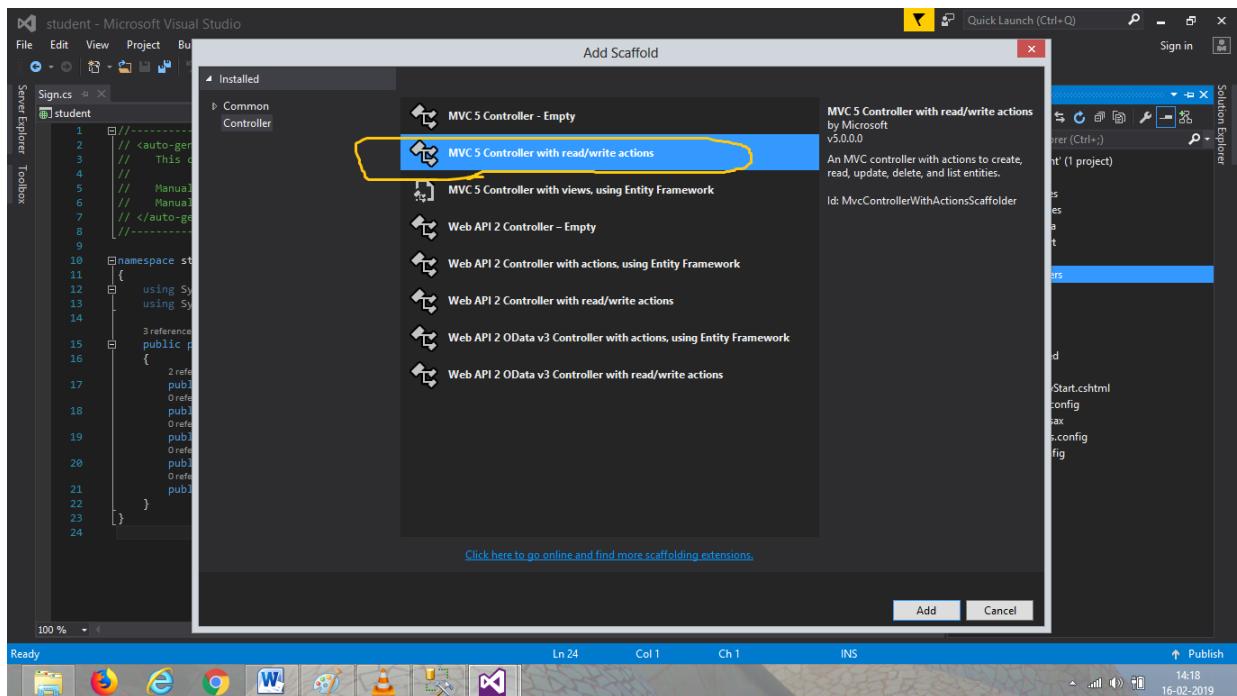
There will be .cs file for the table.

```
student - Microsoft Visual Studio
File Edit View Project Build Debug Team Tools Architecture Test Analyze Window Help
Sign.cs student student.Models.Sign id
1 //<auto-generated>
2 // This code was generated from a template.
3 //
4 //
5 // Manual changes to this file may cause unexpected behavior in your application.
6 // Manual changes to this file will be overwritten if the code is regenerated.
7 //</auto-generated>
8 //
9
10 namespace student.Models
11 {
12     using System;
13     using System.Collections.Generic;
14
15     [References]
16     public partial class Sign
17     {
18         [References]
19         public int id { get; set; }
20         [References]
21         public string name { get; set; }
22         [References]
23         public string mobile { get; set; }
24         [References]
25         public string email { get; set; }
26         [References]
27         public string location { get; set; }
28     }
29 }
```

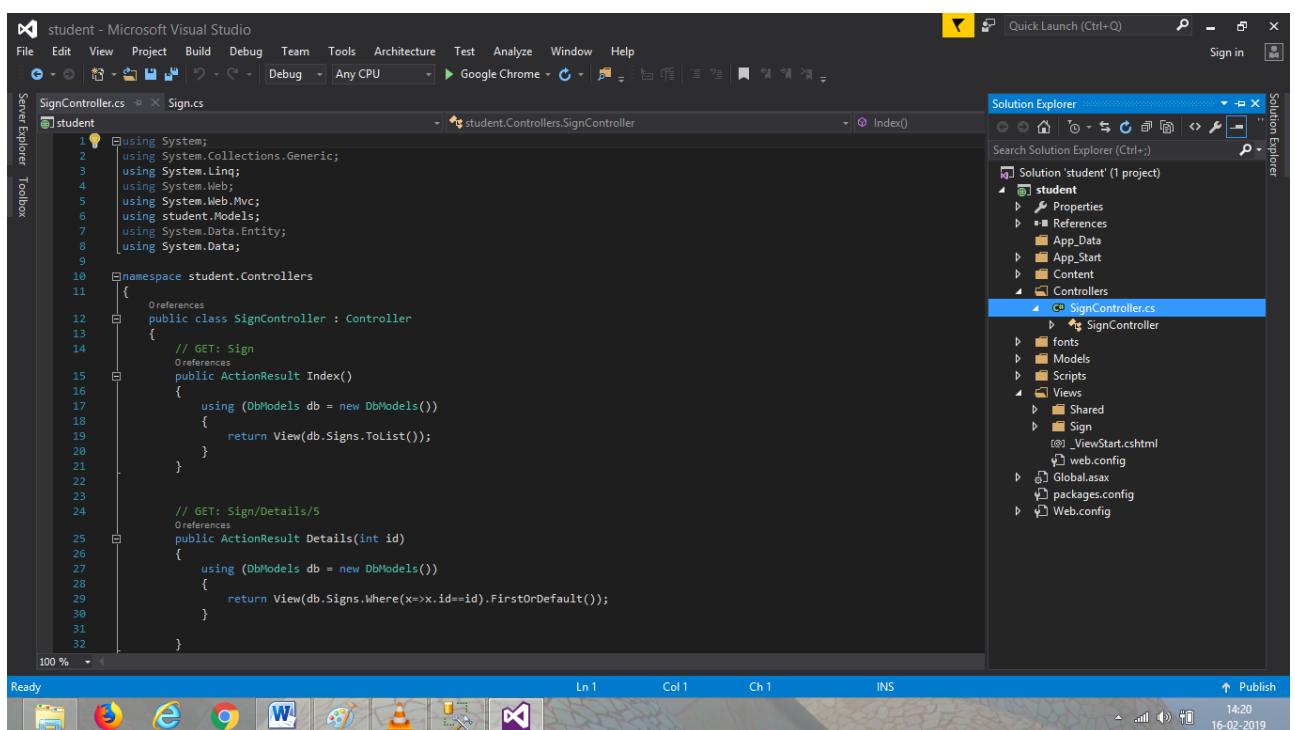
Ready 14:16 16-02-2019

Add controller for the model.



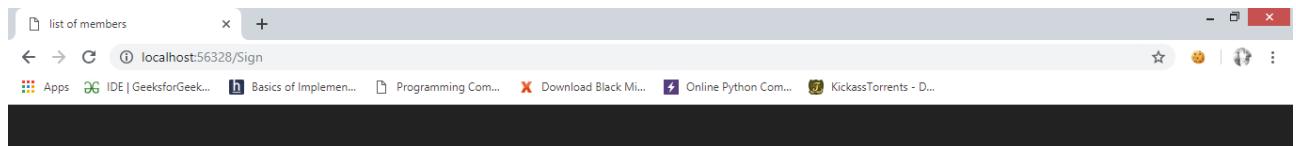


Give a name to controller.



Create view for every account action(edit,index,details)

After creating view run as local to check it its working fine.

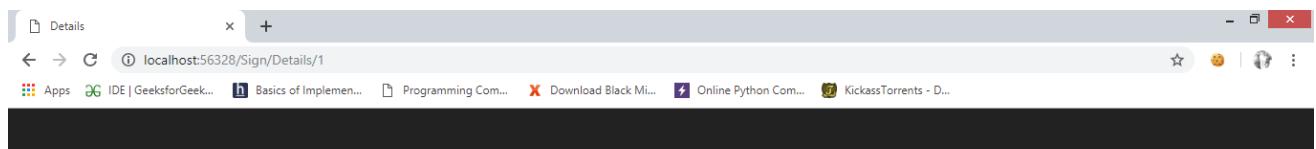


List Of Members

Create New

name	mobile	email	location	
Ashfaq Ahmed	8970654433	absd@gmail.com	Bengaluru	Edit Details
sila sahoo	8970004493	sila@gmail.com	hydrabad	Edit Details
deepika kumari	9765448812	kumari@gmail.com	pune	Edit Details
rahul singh	7081395588	singh@gmail.com	delhi	Edit Details
mahesh	9120003344	mm@gmail.com	patna	Edit Details

© 2019 - Created by Ashfaq



Details

Sign

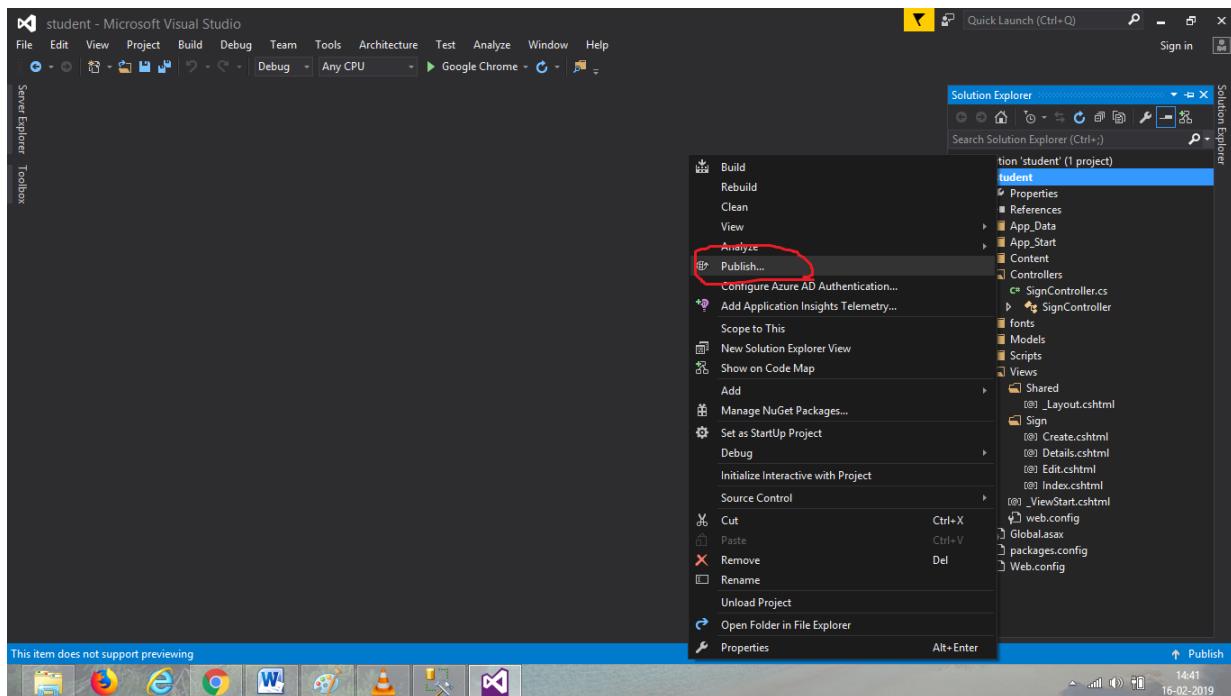
name Ashfaq Ahmed
mobile 8970654433
email absd@gmail.com
location Bengaluru

[Edit](#) | [Back to List](#)

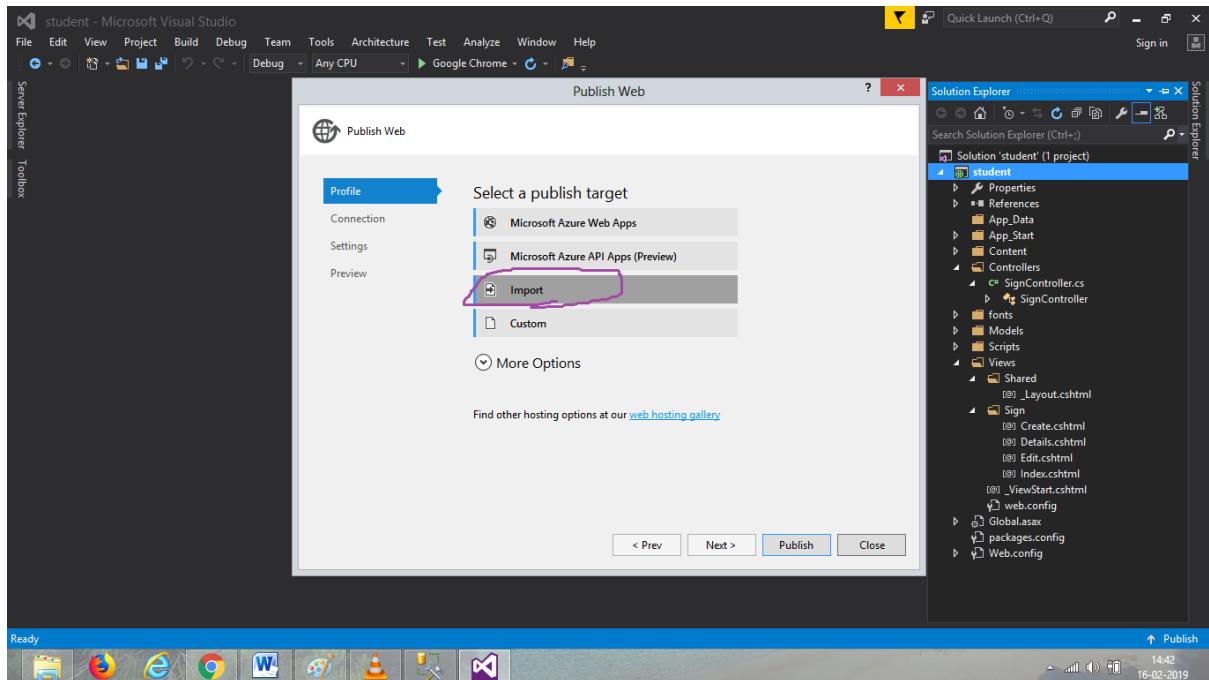
© 2019 - Created by Ashfaq



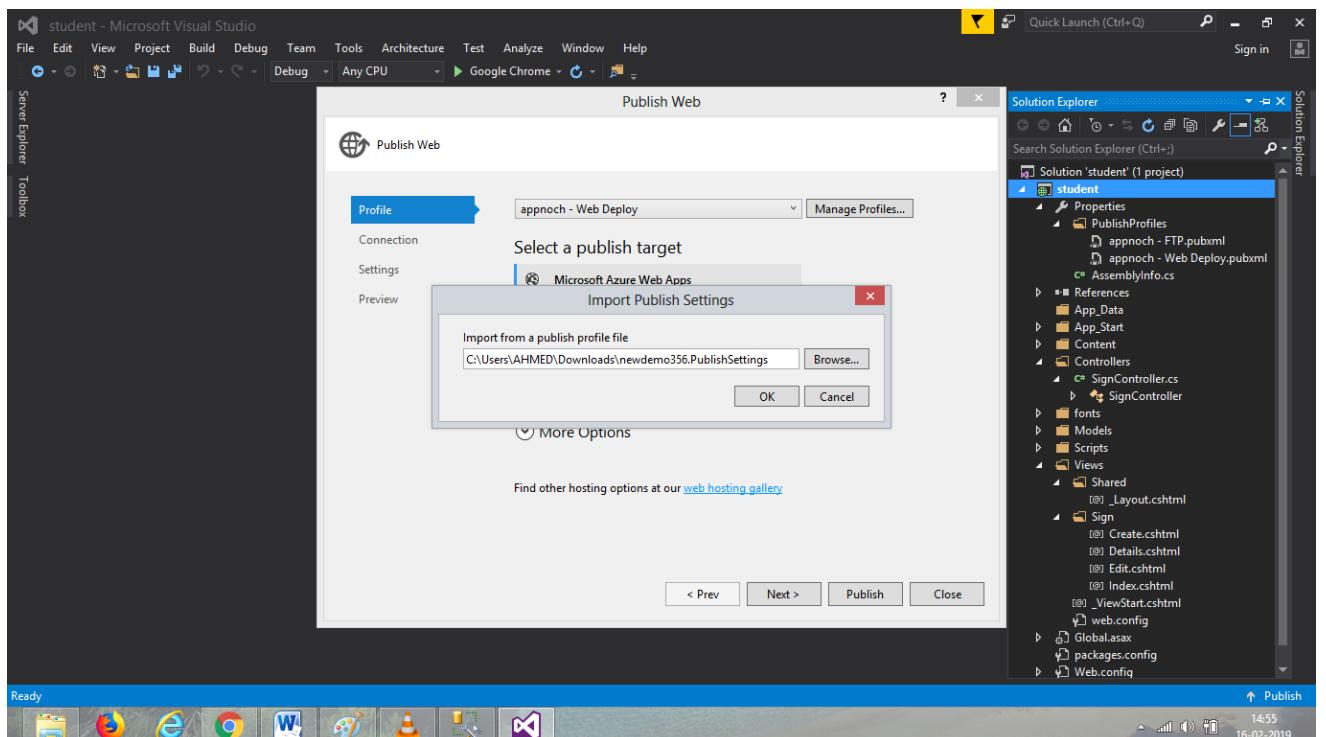
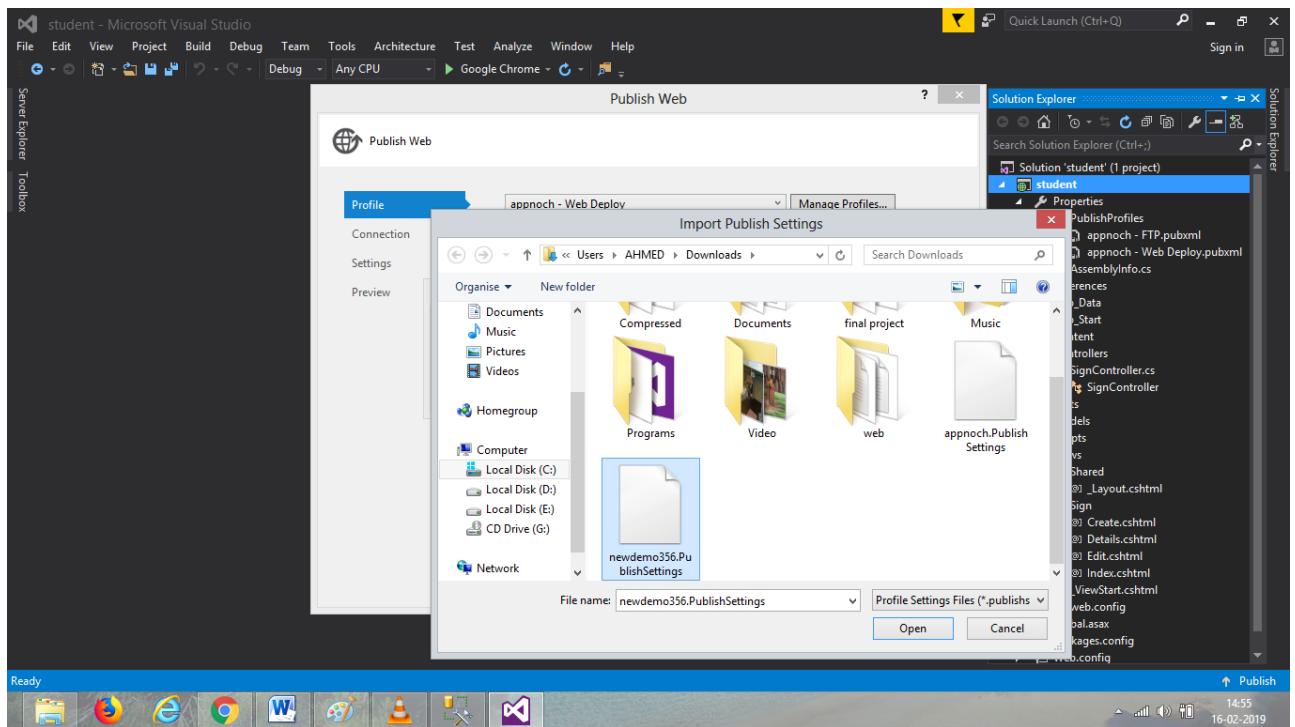
Now it's ready to be published.

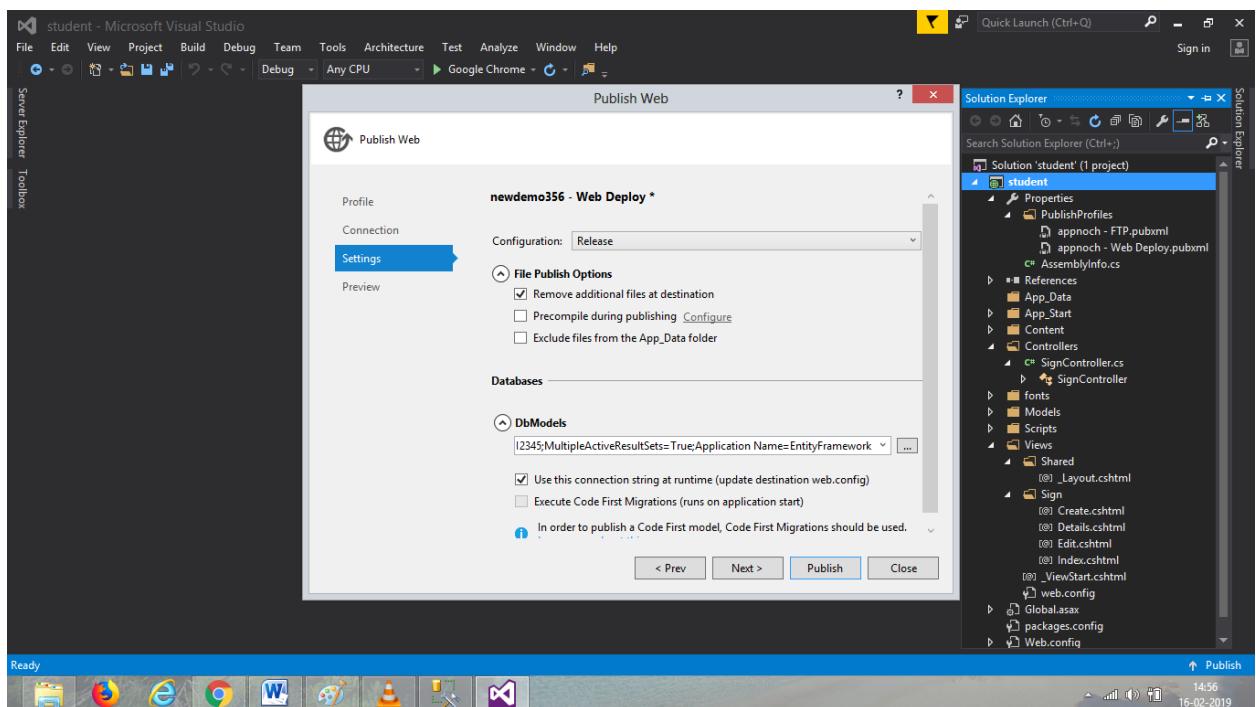
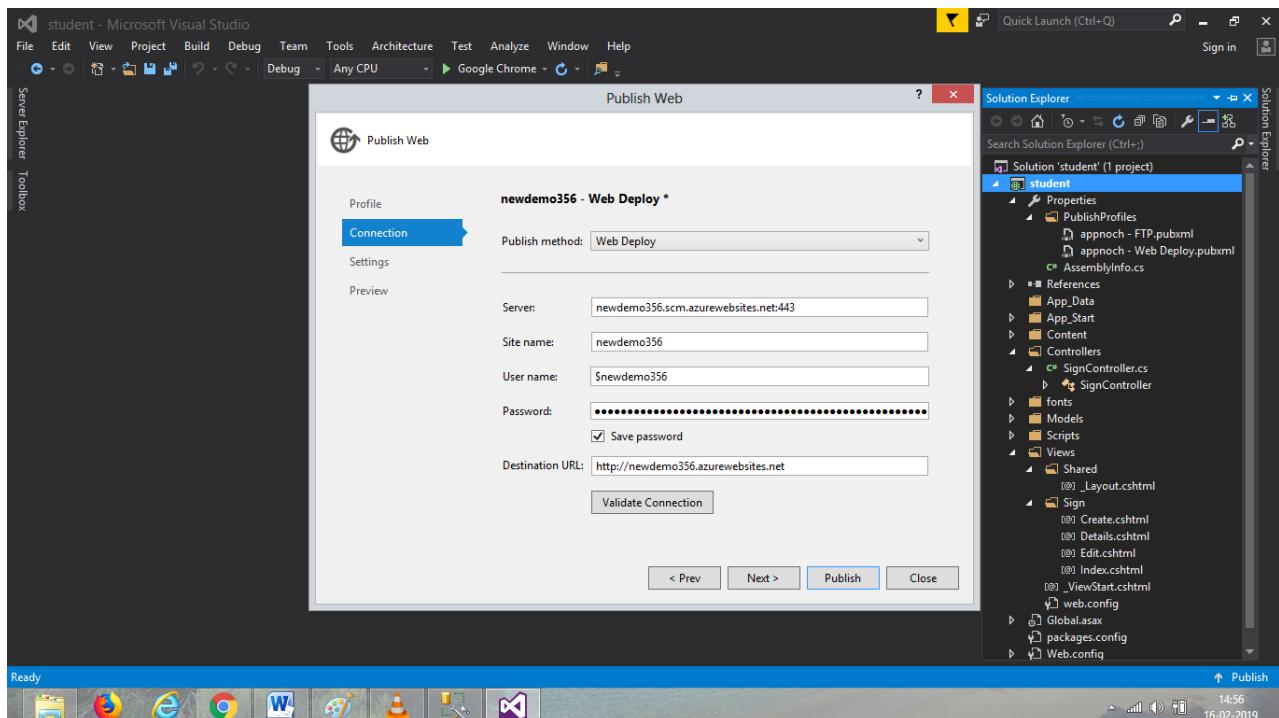


Published using import method

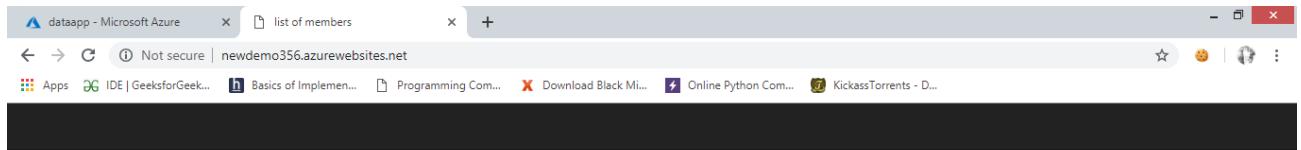


Download the import file from azure server.





Publish now and all is done, website will be available in internet.



List Of Members

Create New

name	mobile	email	location	
Ashfaq Ahmed	8970654433	absd@gmail.com	Bengaluru	Edit Details
sila sahoo	8970004493	sila@gmail.com	hydrabad	Edit Details
deepika kumari	9765448812	kumari@gmail.com	pune	Edit Details
rahul singh	7081395588	singh@gmail.com	delhi	Edit Details
mahesh	9120003344	mm@gmail.com	patna	Edit Details

© 2019 - Created by Ashfaq



VISIT:-> <http://newdemo356.azurewebsites.net>