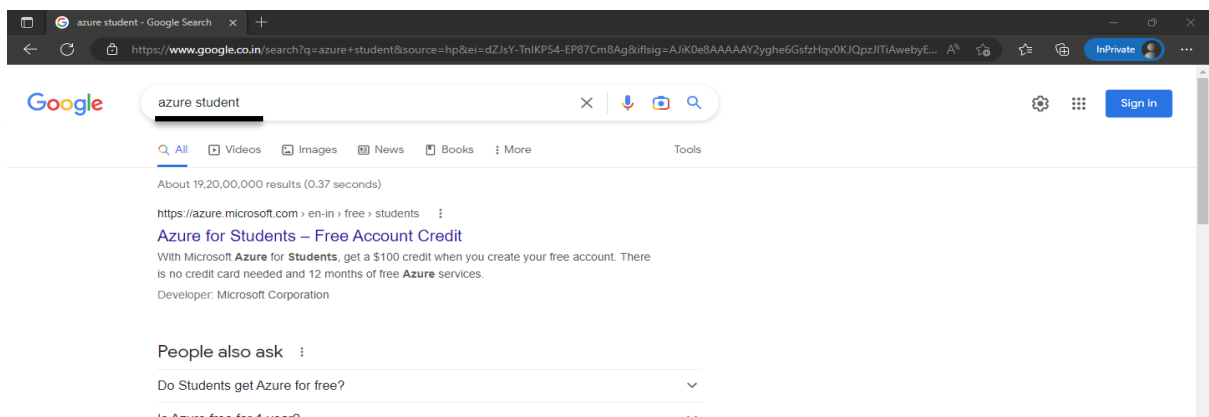


Connect to a virtual desktop (RDP) and deploy a website with virtual machines using azure cloud

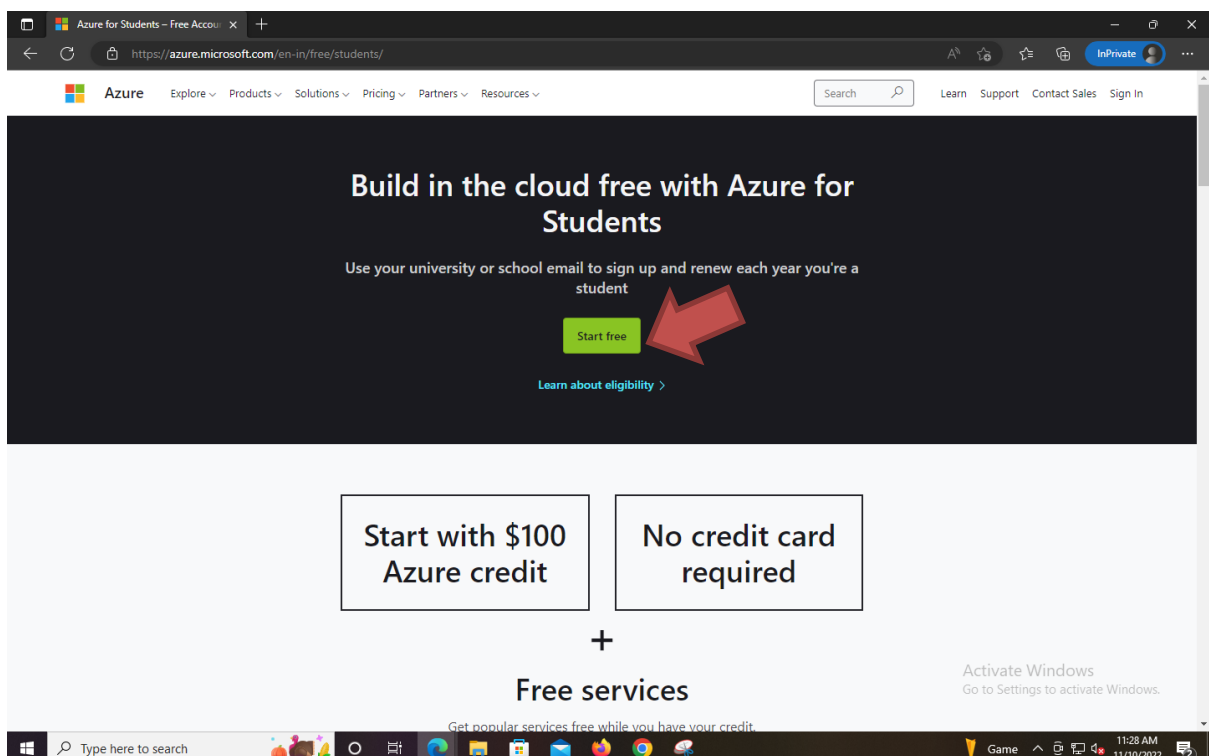
Aim:

To create a Microsoft Azure account, initialize a virtual machine and connecting RDP to the VM.

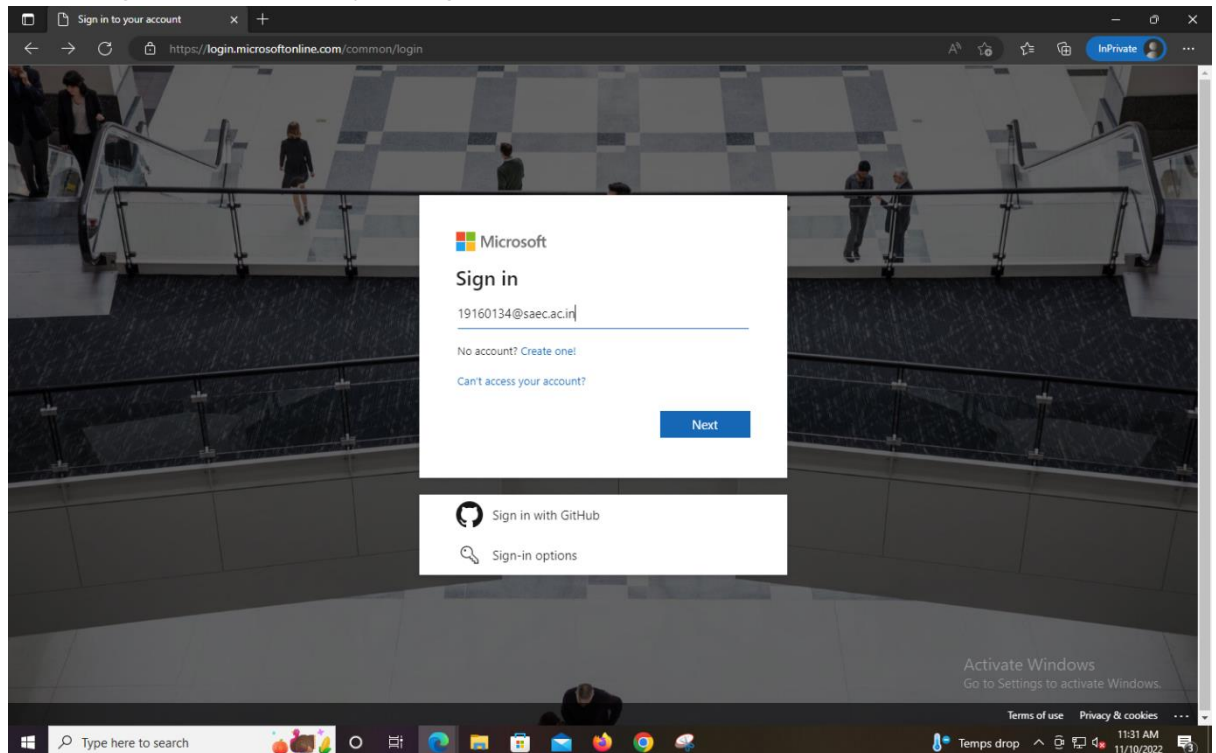
1. Open Browser → Type azure student → Click First Link.



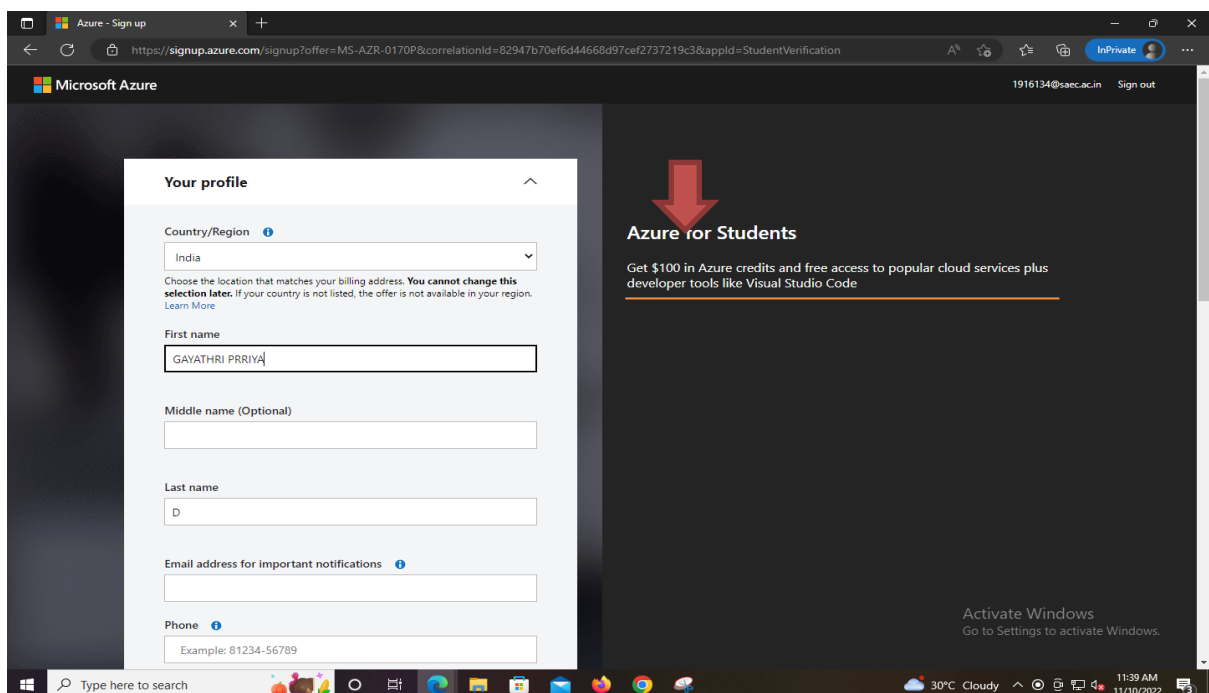
2. Click Start Free Button.



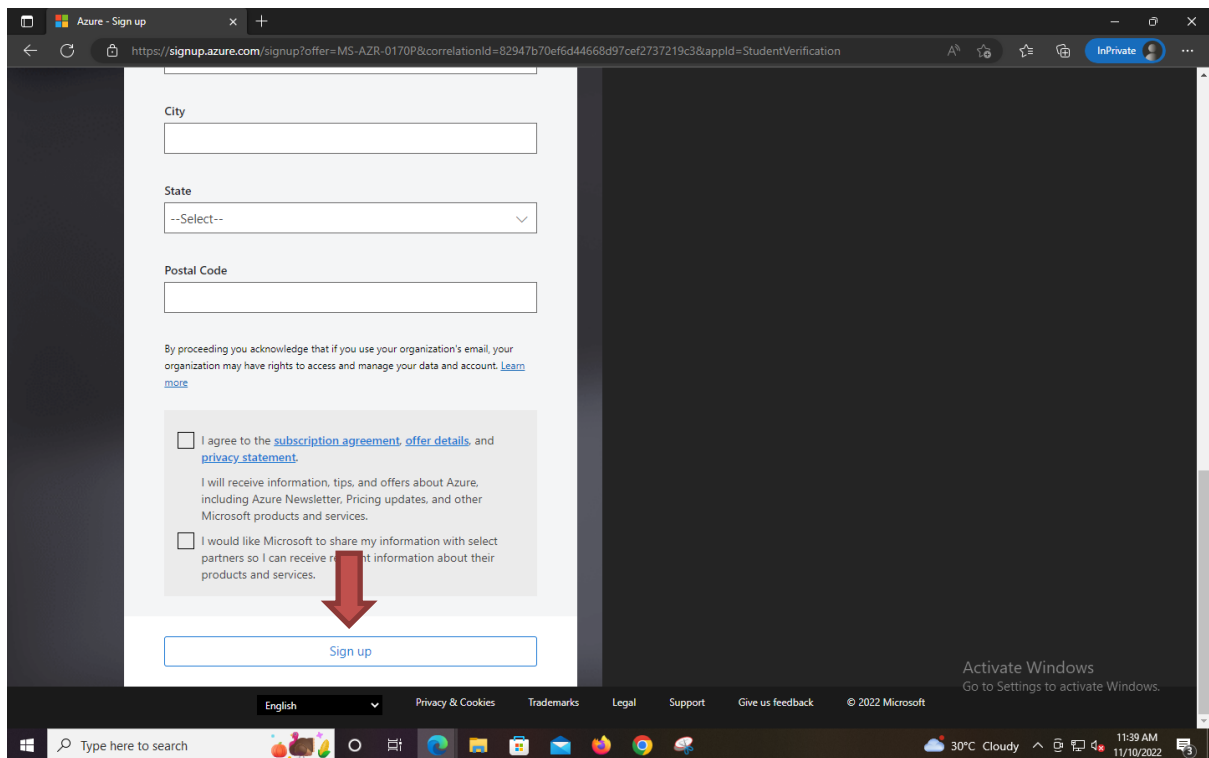
3. Creating an Account By using Education Mail Id →Click Next



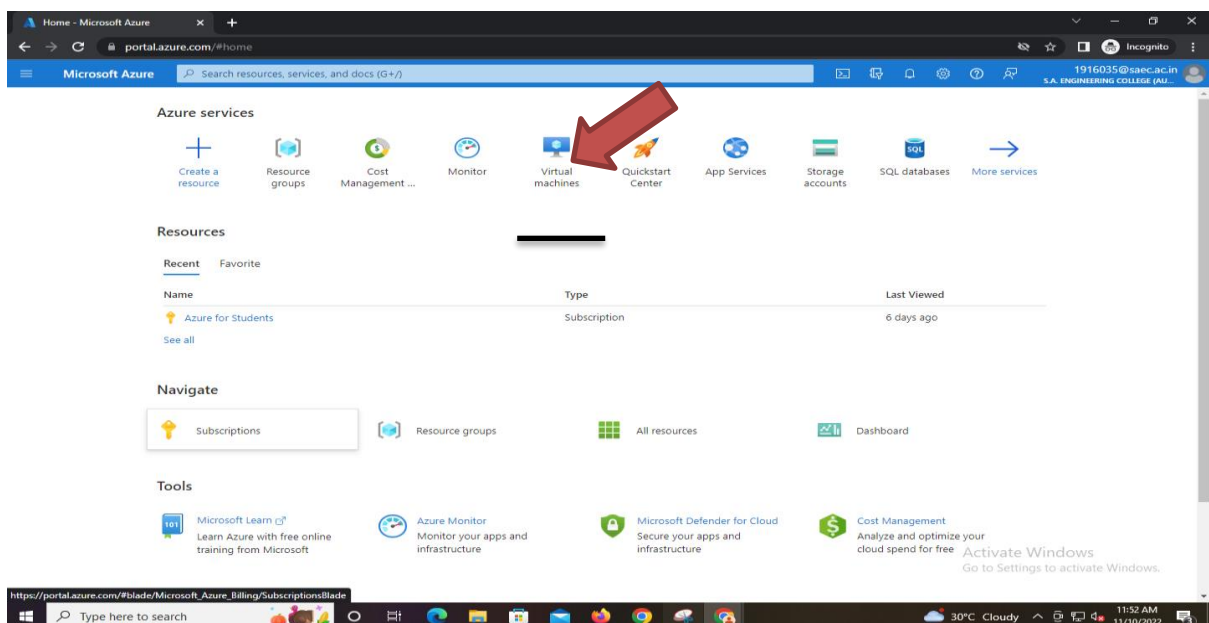
4. Type All The Details Given profile.



5. Kindly Read All The Agreement And click “Check Box “ if you agree with the conditions.
6. Click “Signup” Button.



7. Click on Virtual machine on screen.



10. Click on the “Create Button”.

The screenshot shows the Microsoft Azure portal interface for 'Virtual machines'. The top navigation bar includes the 'Create' button. Below the navigation bar, there's a search bar and a list of filters. The main content area shows a message 'No virtual machines to display' with a 'Create' button. A red arrow points to the 'Create' button. Below the 'Create' button, there are links for 'Learn more about Windows virtual machines' and 'Learn more about Linux virtual machines'. At the bottom, there's a taskbar with various application icons and a system tray showing the date and time.

11. Select “Azure virtual machine” option popup.

The screenshot shows the Microsoft Azure portal interface for 'Virtual machines'. The 'Create' button has been clicked, and a dropdown menu is displayed. The dropdown menu contains four options: 'Azure virtual machine', 'Azure virtual machine with preset configuration', 'Azure Arc virtual machine', and 'Azure VMware Solution virtual machine'. The 'Azure virtual machine' option is selected, and a red arrow points to it. The background of the page shows the 'No virtual machines to display' message and the 'Create' button.

12. Enter the name for the resource group → Click “OK” Button.

Create a virtual machine - Microsoft Azure

portal.azure.com/#create/Microsoft.VirtualMachine

Microsoft Azure Search resources, services, and docs (G+)

Home > Virtual machines >

Create a virtual machine

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * Azure for Students

Resource group * (New) Resource group

[Create new](#)

Instance details

Virtual machine name *

Region *

Availability options

Availability zone *

Modal Dialog:

A resource group is a container that holds related resources for an Azure solution.

Name * RG

OK Cancel

Footer:

Review + create < Previous Next : Disks >

Activate Windows Go to Settings to activate Windows. Give feedback

30°C Cloudy 11:54 AM 11/10/2022

13. Click on Review + Create.

Microsoft Azure

Home > Virtual machines >

Create a virtual machine

your resources.

Subscription Azure for Students

Resource group (New) RG
[Create new](#)

Instance details

Virtual machine name CC-VM

Region (Asia Pacific) Central India

Availability options Availability zone

Availability zone Zones 1

You can now select multiple zones. Selecting multiple zones will create one VM per zone. [Learn more](#)

Security type Standard

Image Windows 10 Pro, version 21H2 - Gen2
[See all images](#) | [Configure VM generation](#)

VM architecture
☐ Arm64
☒ x64
 Arm64 is not supported with the selected image.

Run with Azure Spot discount ☐

Size Standard_B1s - 1 vcpu, 1 GiB memory (₹589.04/month)
[See all sizes](#)

Administrator account

Username tamilarsan0427

Password

Confirm password

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports ☐ None
☒ Allow selected ports

Select inbound ports HTTP (80), HTTPS (443), SSH (22), RDP (3389)

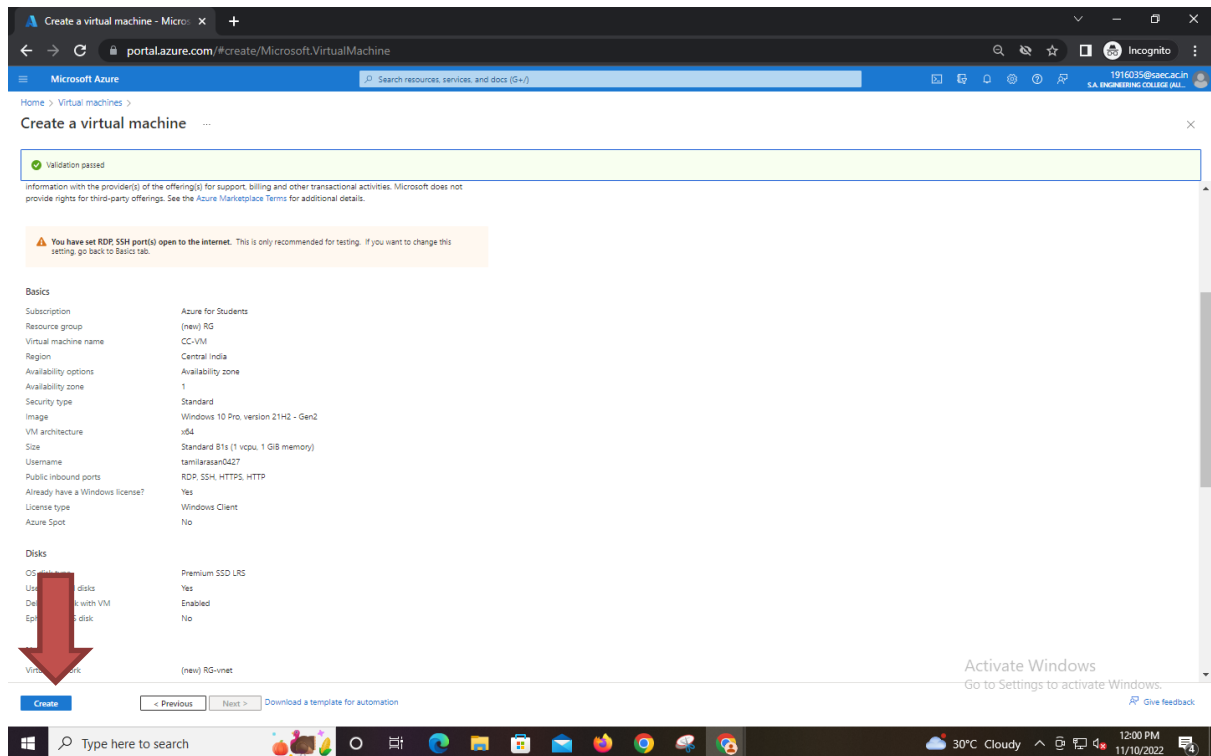
This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

Licensing

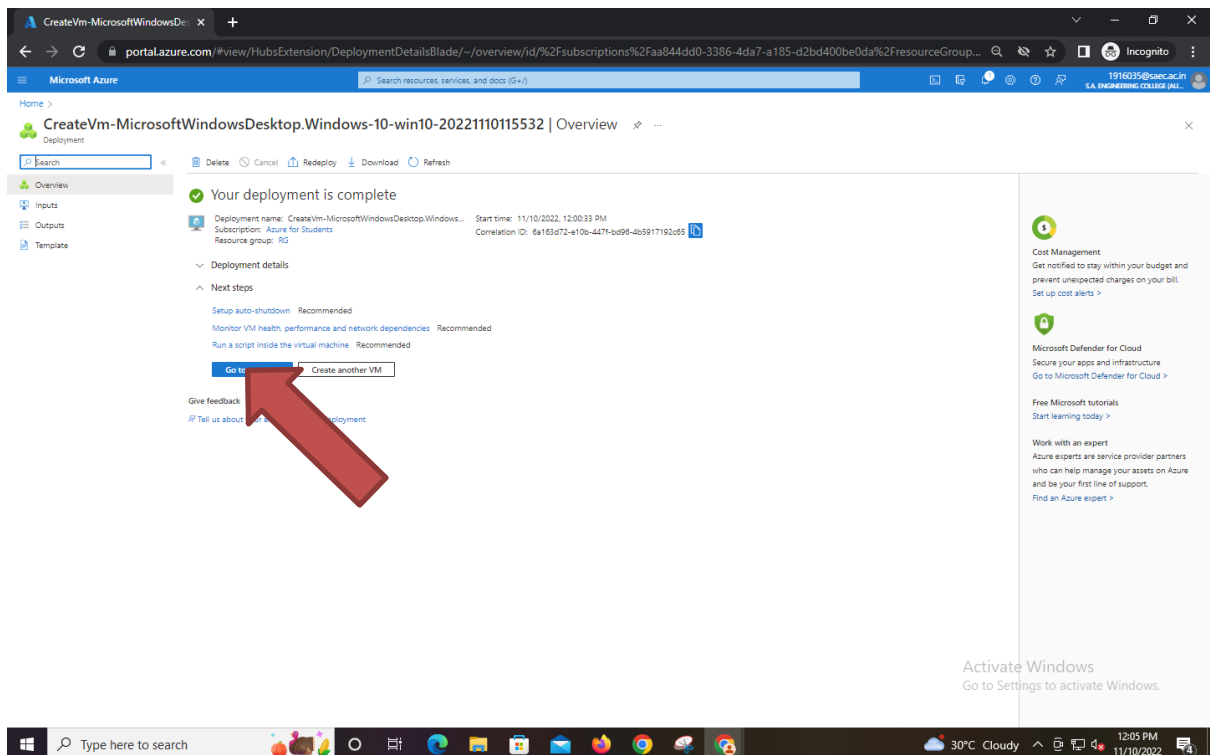
☒ I confirm I have an eligible Windows 10/11 license with multi-tenant hosting rights.
[Review multi-tenant hosting rights for Windows 10/11 compliance](#)

[Review + create](#) [< Previous](#) [Next : Disks >](#)

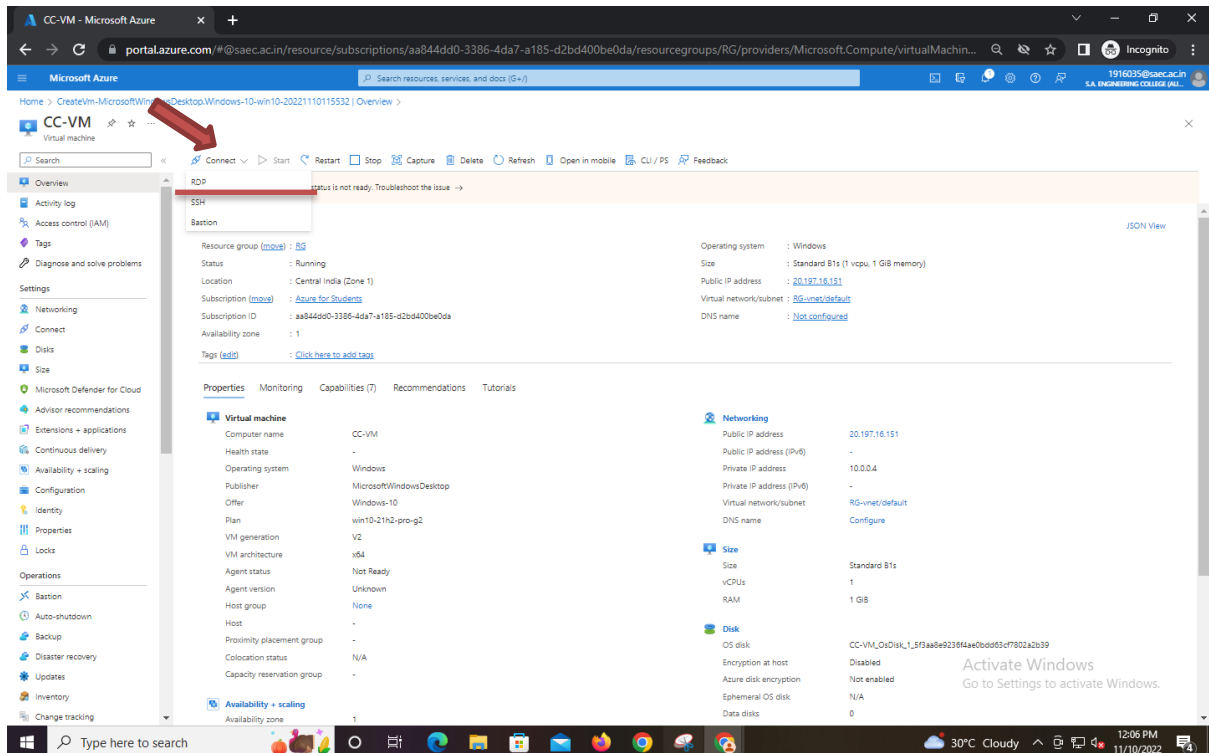
14. Click on “create button” .



15. Click on “Go to resource”



16. Click on connect button → RDP



Microsoft Azure portal showing the 'Overview' page for a virtual machine named 'CC-VM'. The 'Connect' button is highlighted with a red arrow. The 'Connect' button has a dropdown menu with 'RDP', 'SSH', and 'Bastion' options. The 'RDP' option is selected, and the status is 'Not ready. Troubleshoot the issue ->'.

Properties

Property	Value
Computer name	CC-VM
Health state	-
Operating system	Windows
Publisher	MicrosoftWindowsDesktop
Offer	Windows-10
Plan	win10-21h2-pro-g2
VM generation	V2
VM architecture	x64
Agent status	Not Ready
Agent version	Unknown
Host group	None
Host	-
Proximity placement group	-
Colocation status	N/A
Capacity reservation group	-

Networking

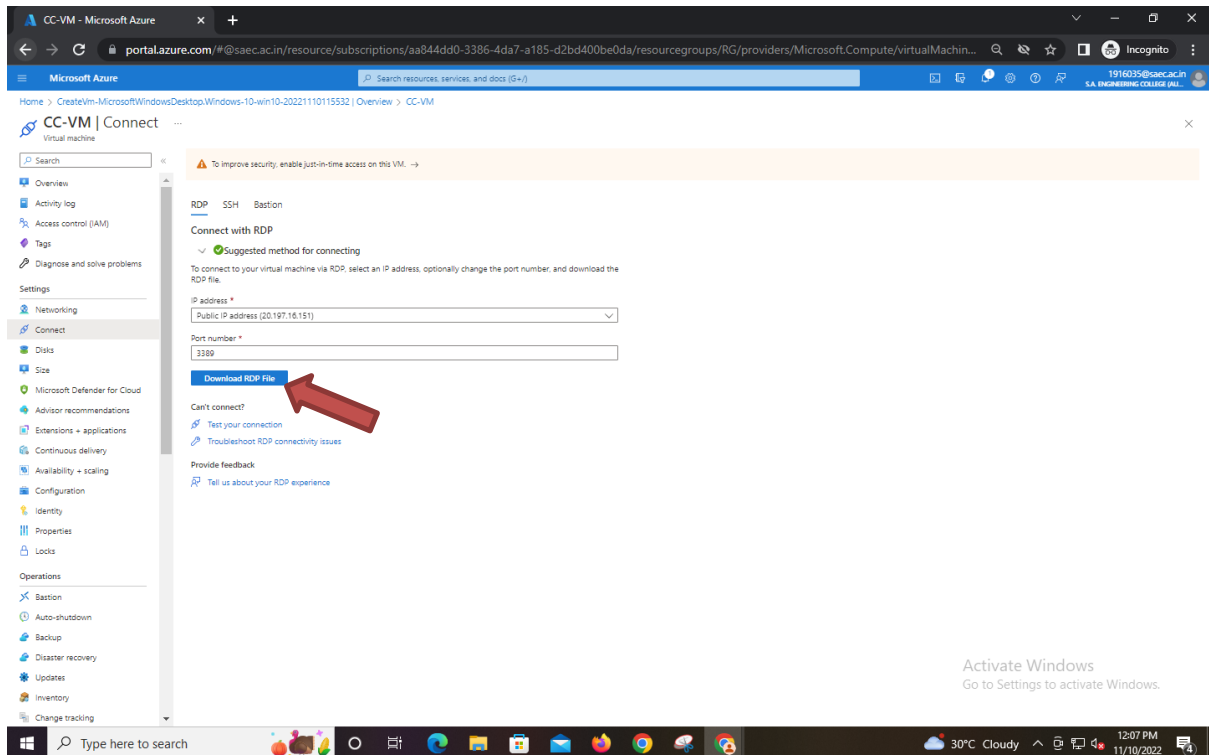
Property	Value
Public IP address	20.197.16.151
Public IP address (IPv6)	-
Private IP address	10.0.0.4
Private IP address (IPv6)	-
Virtual network/subnet	RG-vnet/default
DNS name	Configure

Size

Property	Value
Size	Standard B1s
vCPUs	1
RAM	1 GiB

Disk

Property	Value
OS disk	CC-VM_OsDisk_1_5f3a8e92304ae0b0d63cf7802a2b39
Encryption at host	Disabled
Azure disk encryption	Not enabled
Ephemeral OS disk	N/A
Data disks	0



Microsoft Azure portal showing the 'Connect' page for the virtual machine 'CC-VM'. The 'RDP' tab is selected. The 'Connect with RDP' section shows the 'Suggested method for connecting' with the IP address '20.197.16.151' and port number '3389'. A red arrow points to the 'Download RDP File' button. The 'Can't connect?' section has links for 'Test your connection' and 'Troubleshoot RDP connectivity issues'.

Connect with RDP

Suggested method for connecting

To connect to your virtual machine via RDP, select an IP address, optionally change the port number, and download the RDP file.

IP address *

Public IP address (20.197.16.151)

Port number *

3389

Download RDP File

Can't connect?

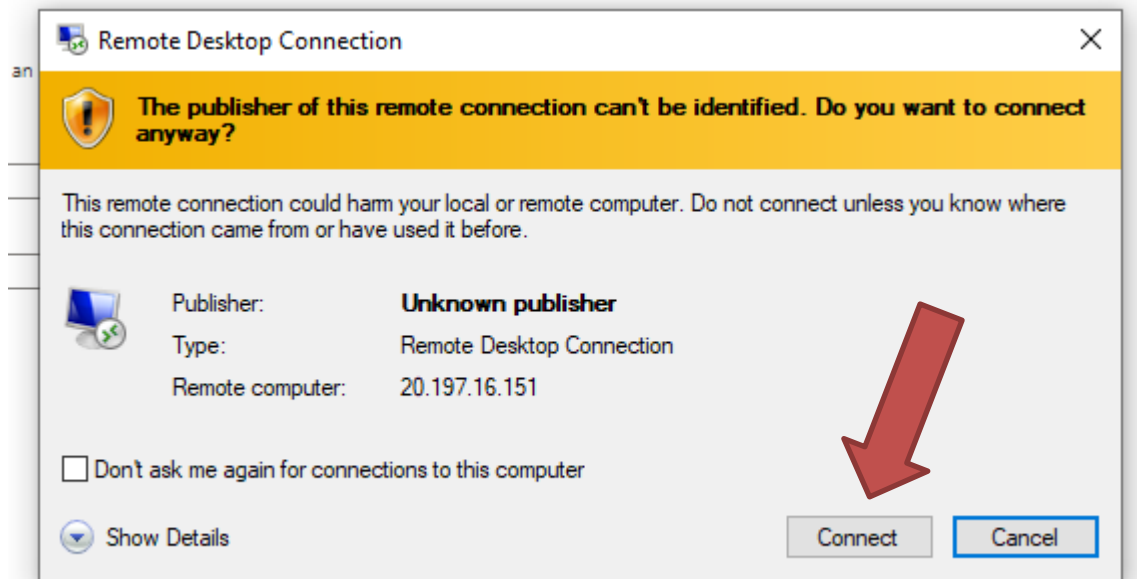
Test your connection

Troubleshoot RDP connectivity issues

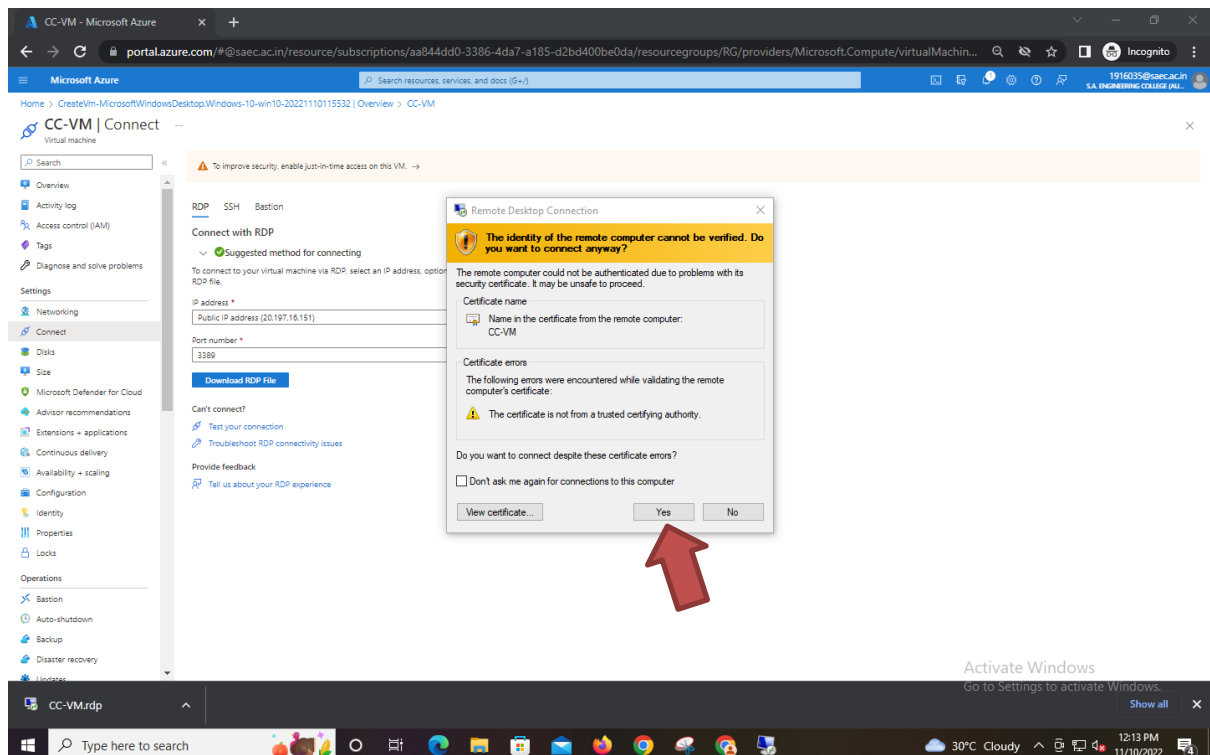
Provide feedback

Tell us about your RDP experience

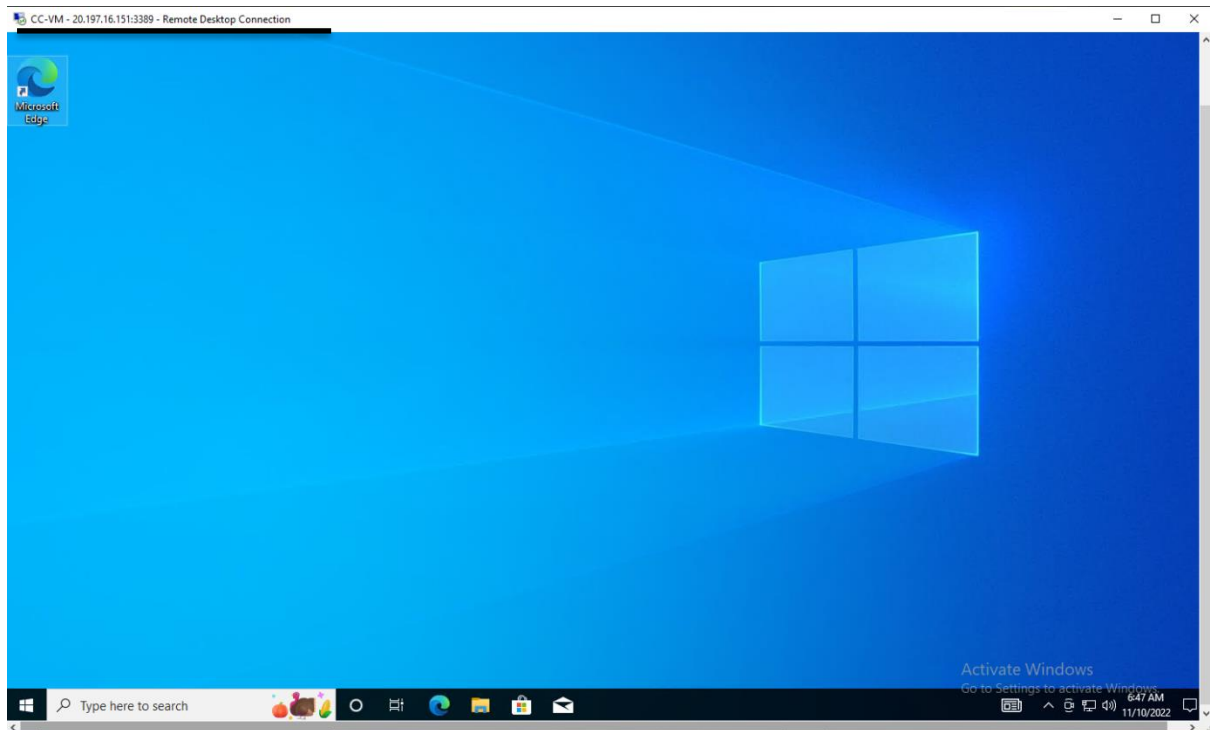
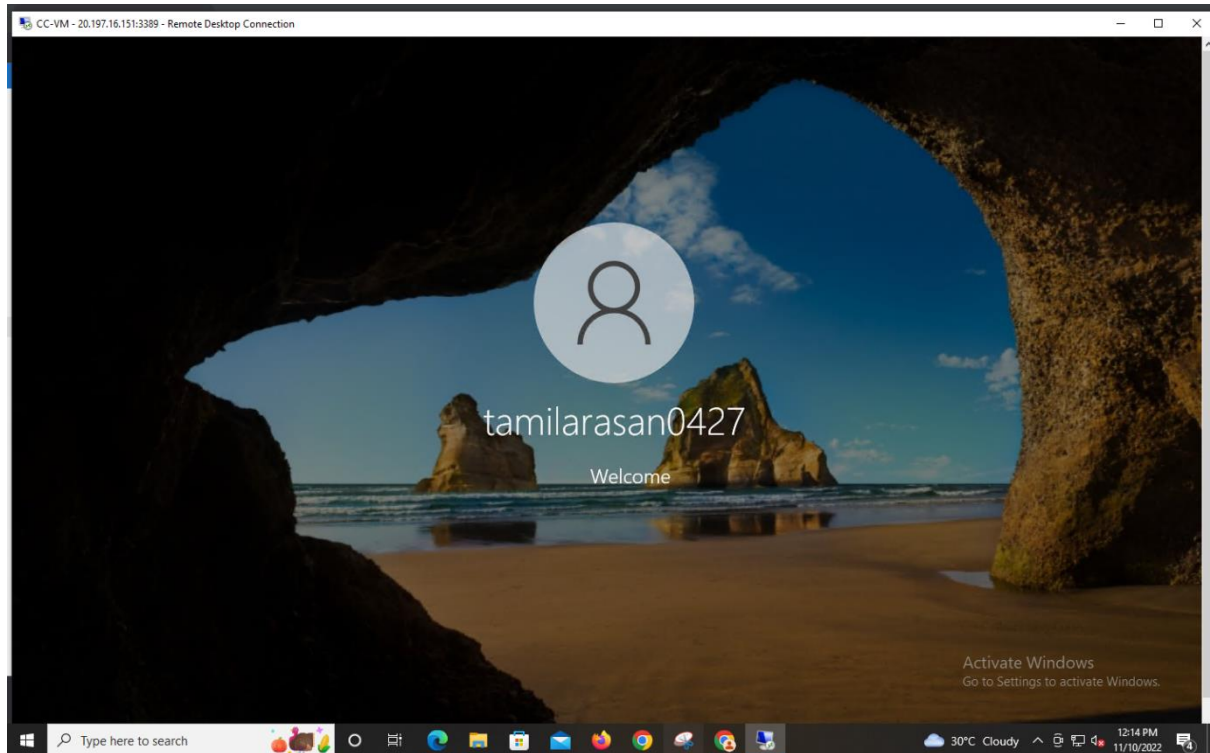
17. Click on “Connect Button”.



18. Click on “Yes” Button.



19. The process is over windows11 will Boot.



Deploy a website with virtual machines

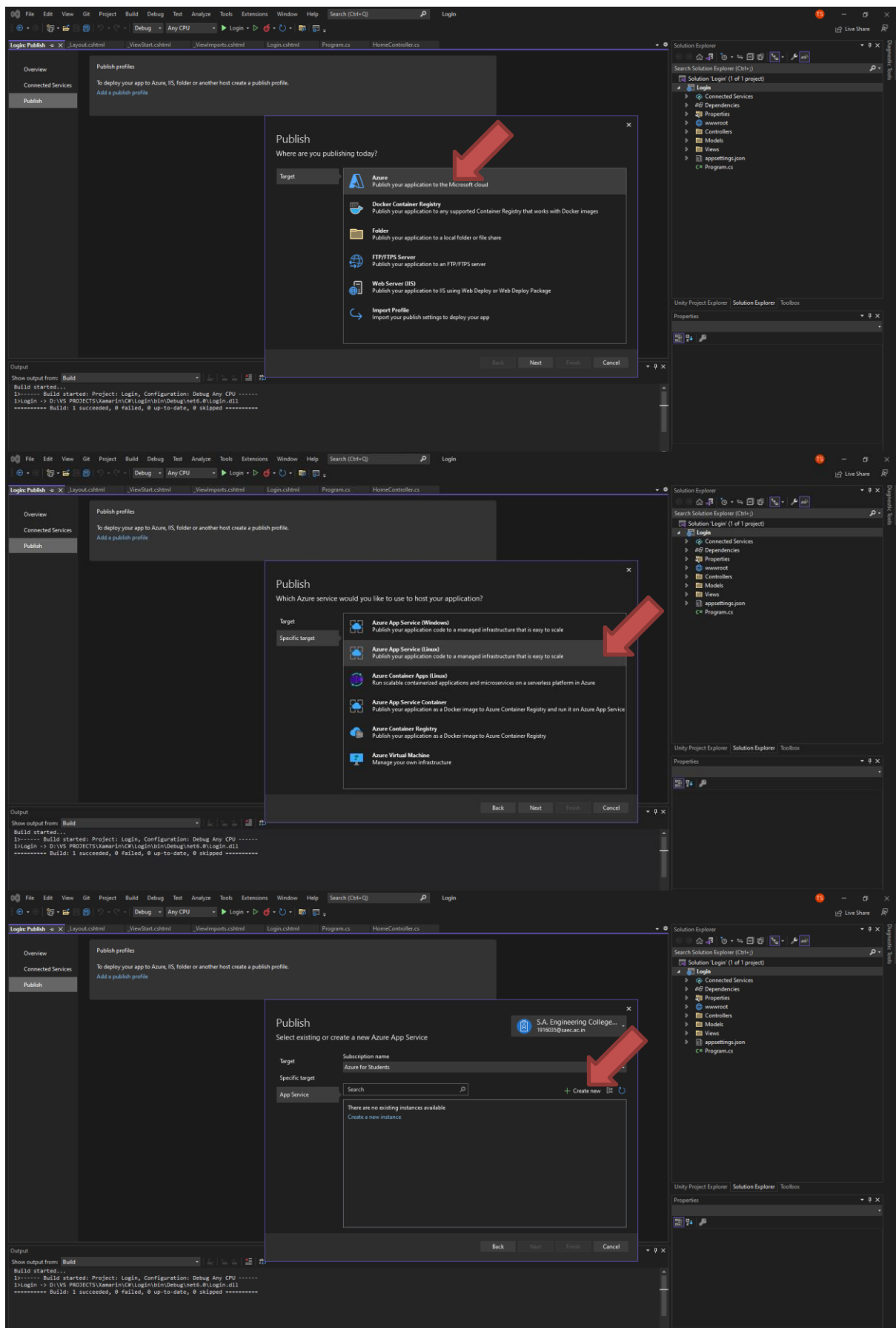
Create asp.net project and add this html for login using visual studio 2022

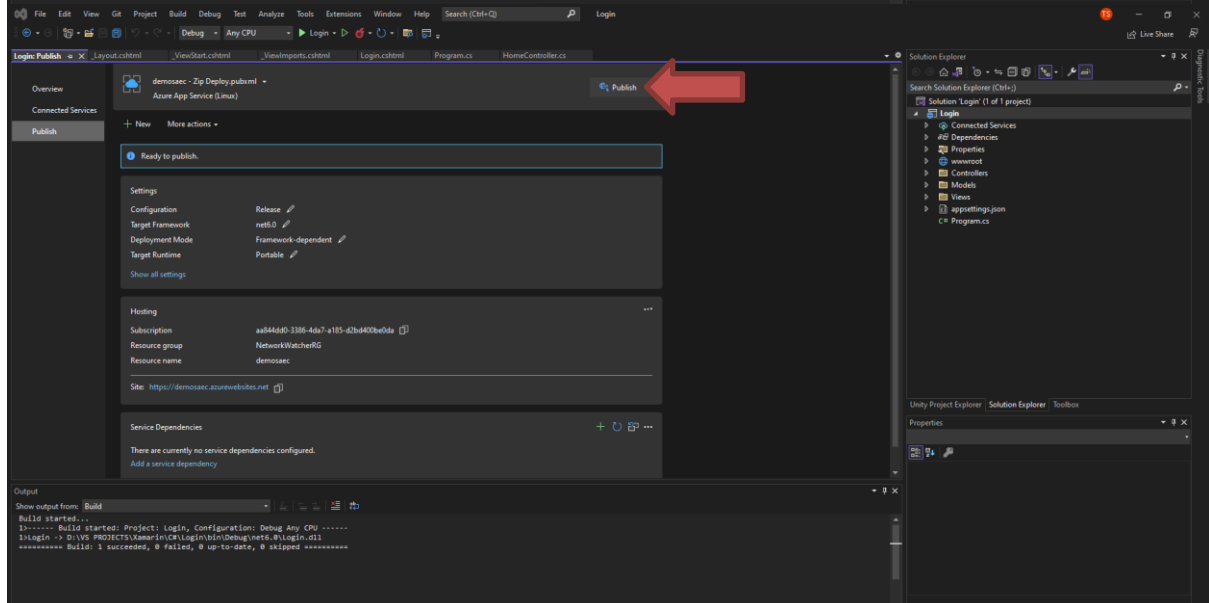
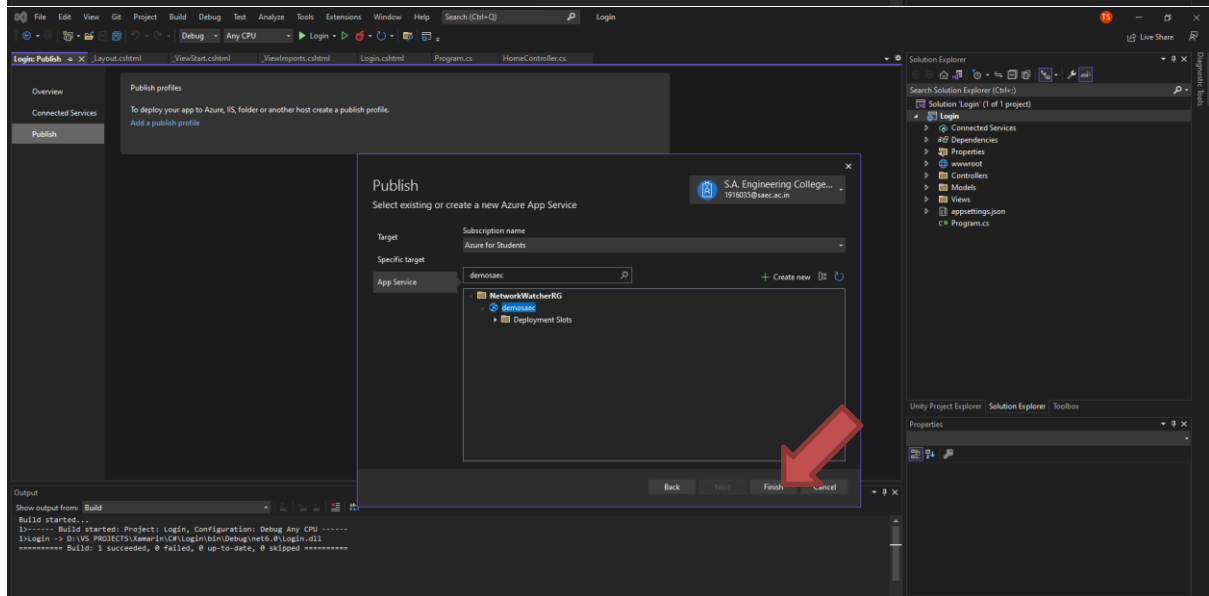
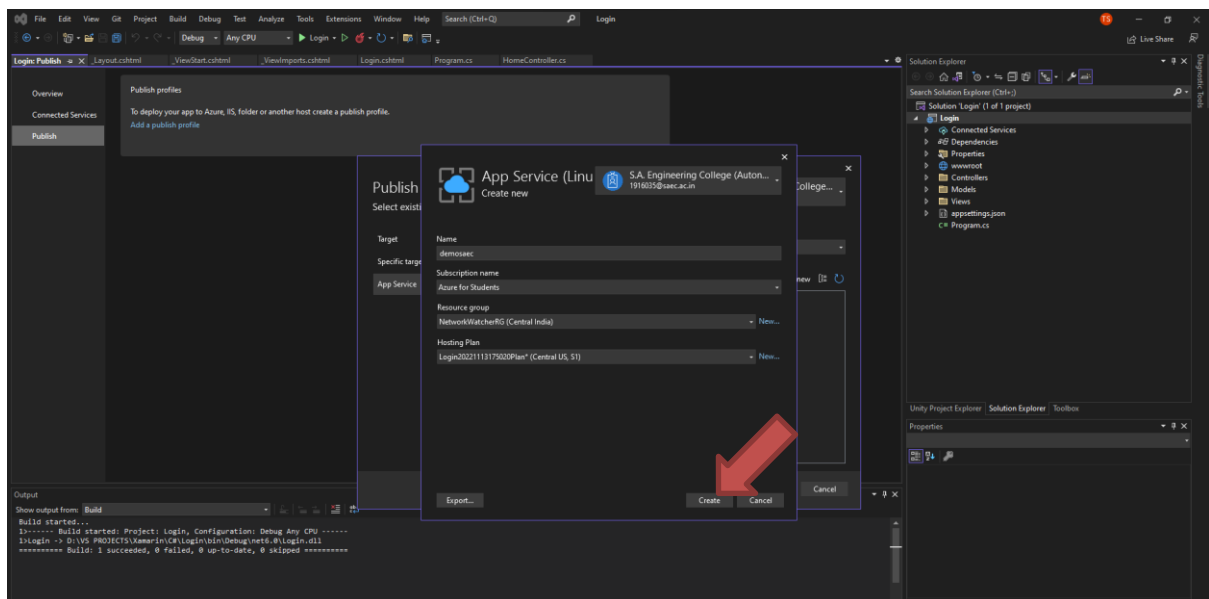
```
<html>
<head>
<title>LeeZon Login</title>
<link href="css/Bootstrap/css/bootstrap.min.css" rel="stylesheet">
<link href="css/style.css" rel="stylesheet">
<meta name='viewport' content='width=device-width, initial-scale=1'>
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.1.1/css/all.min.css">

</head>
<body class="body">

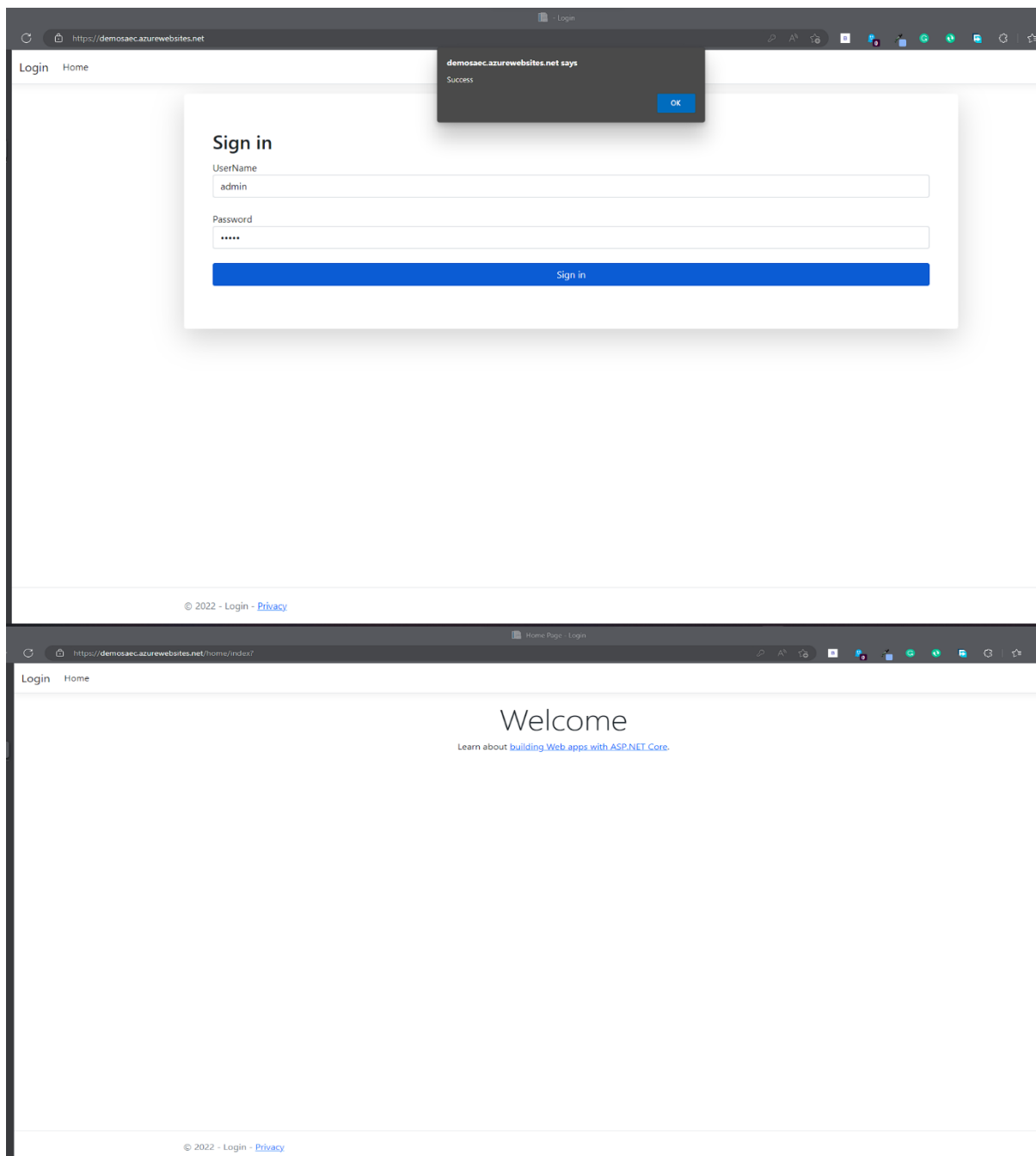
<div>
  <form class="center" action="/home/index">
<div class="shadow-lg p-5 bg-white rounded">
  <label class="py-2" style="font-weight:500;font-size:xx-large;">Sign
in</label>
<div class="form-group">
<label >UserName</label>
<br>
<input class="form-control" type="text" id="uname" placeholder="Enter
username"/>
<br>
<label>Password</label>
<br>
<input class="form-control" type="password" id="pass" placeholder="Enter
password"/>
<br>
<input type="submit" value="Sign in" onclick="login();" class="btn btn-
primary mb-4" style="width:100%"/>
</div>

</form>
</div>
<script>
  function login()
  {
    var uname = document.getElementById("uname").value;
    var pass = document.getElementById("pass").value;
    if(uname == "admin" && pass == "admin")
    {
      alert("Success");
    }
    else
    {
      alert("invalid username and password");
    }
  }
</script>
</body></html>
```





Open chrome and enter the web address <https://demosaec.azurewebsites.net/>



RESULT:

Thus connect to a virtual desktop and deploy a website with virtual machines using azure cloud executed successfully.