Bahria University, Karachi Campus



COURSE: SEN-401 CLOUD COMPUTING TERM: SPRING 2024, CLASS: BSE- 6(B)

Submitted By:

Submitted To:

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Name	Reg. No.

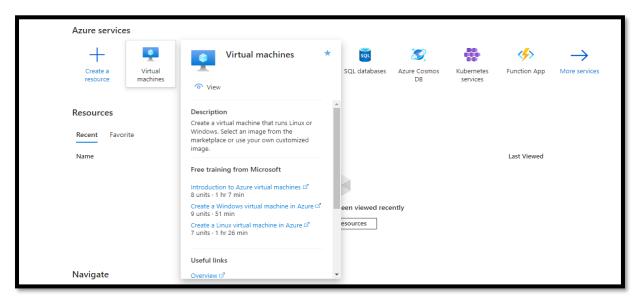
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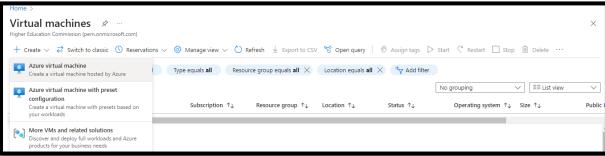
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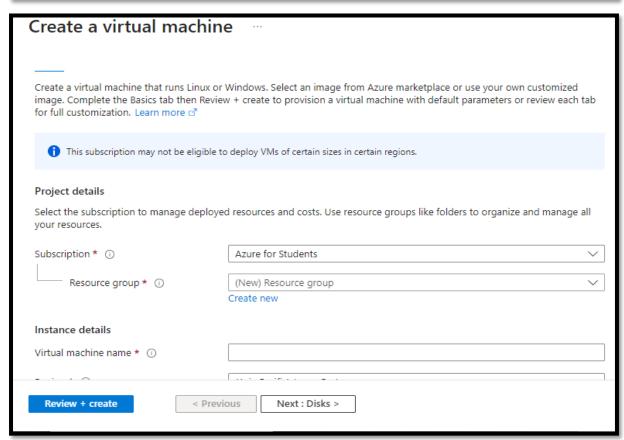
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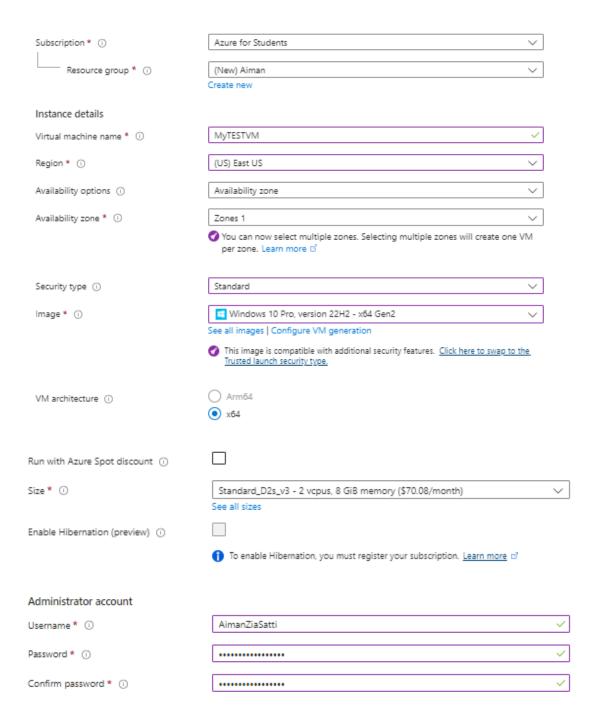
SNO	DATE	LAB NO	LAB OBJECTIVE	SIGN
01	15/Feb/2024	01	Intro To Cloud Computing	
02	22/Feb/2024	02	Creating Virtual Machine Using Microsoft Azure	

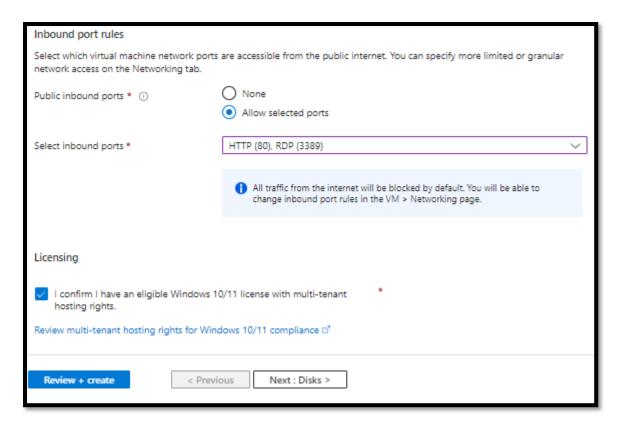
TASK # 1: Create Windows Virtual Machine in Azure.

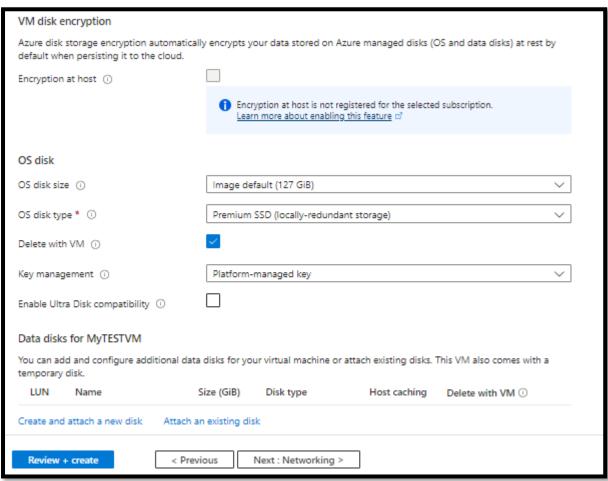






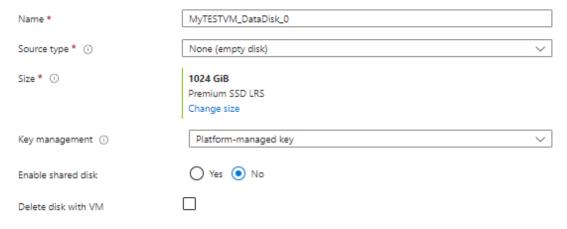






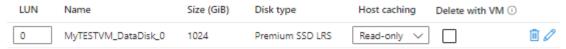
Create a new disk

Create a new disk to store applications and data on your VM. Disk pricing varies based on factors including disk size, storage type, and number of transactions. Learn more 🗹

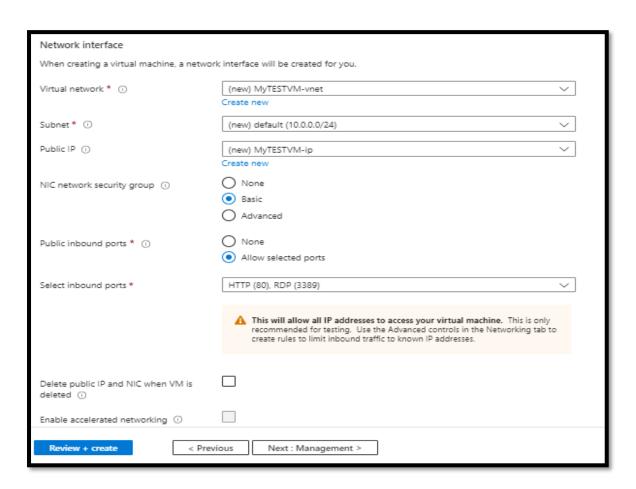


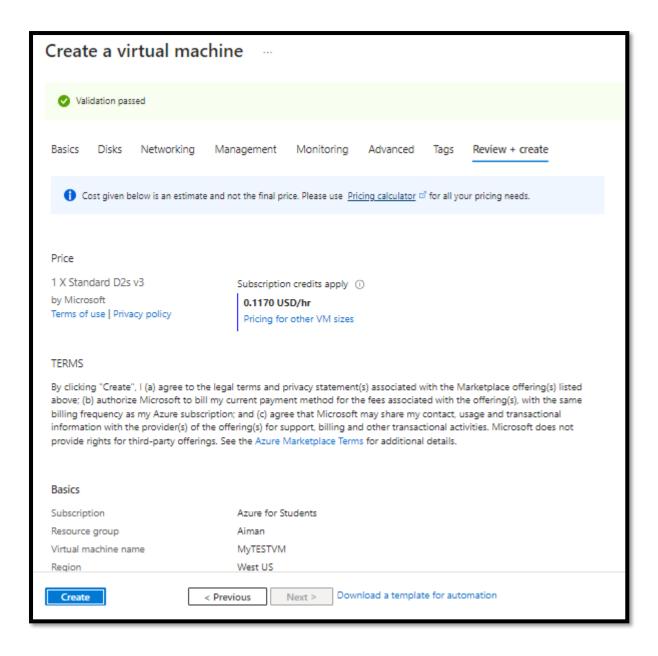
Data disks for MyTESTVM

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.



Create and attach a new disk Attach an existing disk





Basics

Subscription Azure for Students

Resource group Aiman

Virtual machine name MyTESTVM

Region West US

Availability options No infrastructure redundancy required
Security type Trusted launch virtual machines

Enable secure boot Yes
Enable vTPM Yes
Integrity monitoring No

Image Windows 10 Pro, version 22H2 - Gen2

VM architecture x64

Size Standard D2s v3 (2 vcpus, 8 GiB memory)

Username AimanZiaSatti
Public inbound ports HTTP
Already have a Windows license? Yes

License type Windows Client

Azure Spot No

Disks

 OS disk size
 Image default

 OS disk type
 Premium SSD LRS

 Use managed disks
 Yes

 Delete OS disk with VM
 Enabled

 Ephemeral OS disk
 No

Networking

 Virtual network
 (new) MyTESTVM-vnet

 Subnet
 (new) default (10.0.0.0/24)

 Public IP
 (new) MyTESTVM-ip

Accelerated networking On Place this virtual machine behind an No

existing load balancing solution?

Delete public IP and NIC when VM is Disabled

deleted

Management Microsoft Defender for Cloud Basic (free) System assigned managed identity Off Off Login with Azure AD Off Auto-shutdown Backup Disabled Site Recovery Disabled Off Enable hotpatch OS-orchestrated patching: patches will be installed by OS Patch orchestration options Monitoring Alerts Off Boot diagnostics On Enable OS guest diagnostics Off Off Enable application health monitoring

Advanced

Extensions None

VM applications None

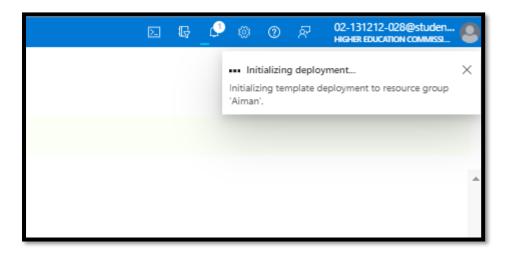
Cloud init No

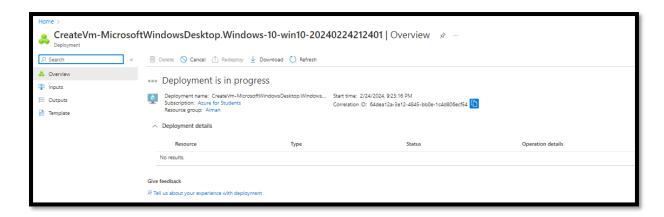
User data No

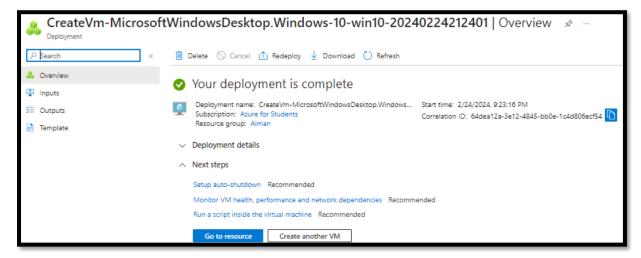
Disk controller type SCSI

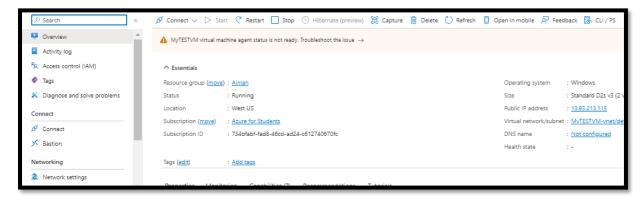
Proximity placement group None

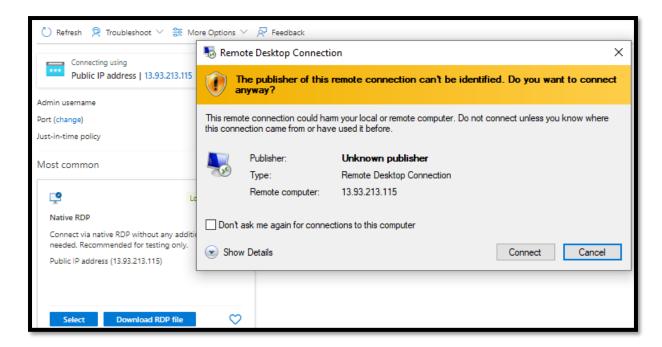
Capacity reservation group None

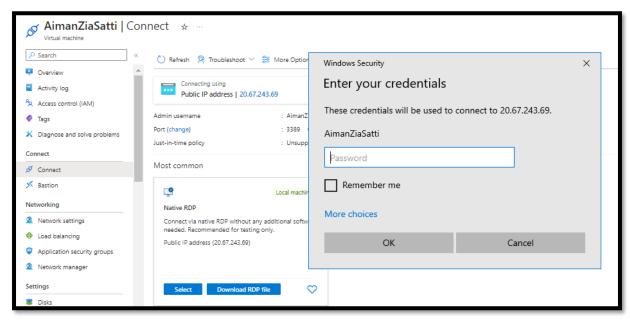


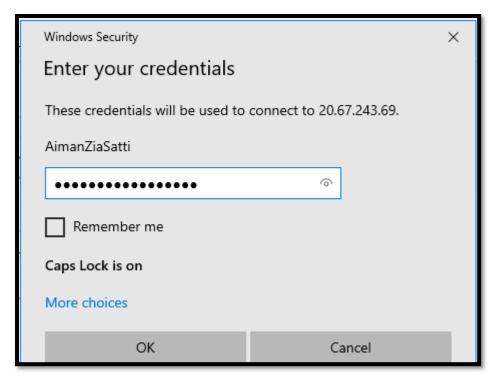


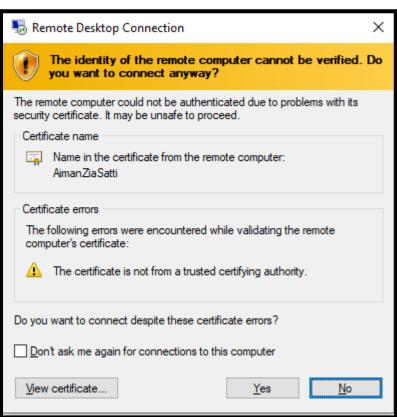






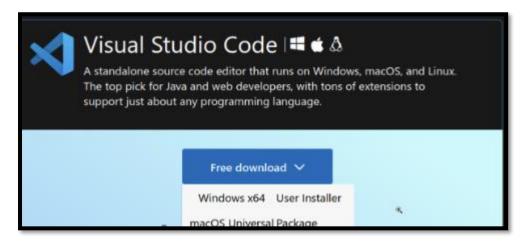








TASK # 2: Install different software on the created VM (including VS Code and Dev++).





TASK # 3: Create simple login and sign up page on VS Code using VM.

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Login & Sign Up</title>
 k rel="stylesheet" href="styles.css">
</head>
<body>
 <div class="container">
   <form id="loginForm" class="form">
     <h2>Login</h2>
     <input type="text" id="loginUsername" placeholder="Username" required>
     <input type="password" id="loginPassword" placeholder="Password" required>
     <button type="submit">Login</button>
   </form>
   <form id="signupForm" class="form">
     <h2>Sign Up</h2>
     <input type="text" id="signupUsername" placeholder="Username" required>
     <input type="password" id="signupPassword" placeholder="Password" required>
     <button type="submit">Sign Up</button>
   </form>
 </div>
 <script src="script.js"></script>
</body>
</html>
body {
 font-family: Arial, sans-serif;
 background-color: #f0f0f0;
 margin: 0;
```

```
padding: 0;
}
.container {
  display: flex;
 justify-content: center;
  align-items: center;
 height: 100vh;
}
.form {
  background-color: #fff;
  padding: 20px;
  border-radius: 8px;
  box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);
 width: 350px;
 text-align: center;
}
.form h2 {
  margin-bottom: 20px;
 color: #333;
}
input[type="text"],
input[type="password"],
button {
 width: 100%;
  margin-bottom: 15px;
  padding: 12px;
  border: 1px solid #ccc;
  border-radius: 4px;
  box-sizing: border-box;
 font-size: 16px;
```

```
}
button {
  background-color: #007bff;
  color: #fff;
  border: none;
  cursor: pointer;
 transition: background-color 0.3s ease;
}
button:hover {
  background-color: #0056b3;
}
.link {
 font-size: 14px;
 color: #007bff;
 text-decoration: none;
 transition: color 0.3s ease;
}
.link:hover {
  color: #0056b3;
}
document.getElementById('loginForm').addEventListener('submit', function(event) {
  event.preventDefault();
  alert('Login button clicked');
});
document.getElementById('signupForm').addEventListener('submit', function(event) {
  event.preventDefault();
  alert('Sign Up button clicked');
});
```

