**Monitoring and Logging**

**1. Go to the Azure Portal:**

Navigate to Virtual Machines → Your VM → Monitoring → Insights

**2. Configure a Log Analytics Workspace (if not already)**

Go to Log Analytics workspaces

Click Create → Give it a name, select your region/resource group

Attach this workspace to your VM:

VM → Monitoring > Diagnostic settings → Enable guest-level monitoring

Select workspace → Save

**3. Create a CPU Alert Rule (CPU > 80%)**

Steps:

Go to Azure Monitor → Alerts → + Create Alert Rule

Scope: Select our VM

Condition:

Signal name: Percentage CPU

Operator: Greater than

Threshold value: 80

Aggregation: Average over 5 minutes

Action Group:

Create a new Action Group

Select Email and enter our email address

Alert Rule Details:

Name the rule (example HighCPUAlert)

Enable the rule → Create

**4. View Metrics in Azure Monitor**

we can track VM performance metrics:

Go to Azure Monitor > Metrics

Scope → Select your VM

Metric → Select:

Percentage CPU

Available Memory Bytes

Disk Used %

**Integration with Azure DevOps Dashboards**

we can integrate monitoring into your DevOps

In Azure DevOps → Dashboards

Use "Azure Monitor Metrics Widget"

Display real-time charts for CPU/disk from your VM