Practice Project 3

**Deploy an ASP.NET WebForms Application on Azure**

WriteUp:

**GitHub Link:** <https://github.com/saraswathy15/Phase4PracticePro3.git>

**Step by Step Process:**

**Step 1:** Create a Web App MVC Project

**Step 2: Model Classes**

In the newly created MVC project, add model classes for `Student`, `Teacher`, and `Subject`.

**Step 3:** Create empty controllers for each model class. You can right-click on the "Controllers" folder, select "Add," and then choose "Controller." Repeat this process for each model.

**Step 4:**  Create views for creating and listing data. You can scaffold these views using Visual Studio's built-in tools, or create them manually if needed.

**Step 5: Azure Virtual Machine (VM)**

1. Go to the Azure Portal.

2. Create a new Virtual Machine.

3. Specify details like resource group, VM size, and hard drive type.

4. Provide administrator details.

5. Review and create the VM.

6. After deployment, go to the resource, connect to the VM using RDP, and download the RDP file.

**Step 6: Azure Web App**

1. In the Azure Portal, create a Web App.

2. Specify resource group, web app name, runtime stack, and pricing plan.

3. Review and create the Web App.

4. After creation, go to the resource and download the publish profile.

**Step 7: Publishing**

1. In Visual Studio, right-click on the project and select "Publish."

2. Import the publish profile file.

3. Click "Publish" to deploy the project to both the Azure VM and the Azure Web App.

**Step 8: Accessing the Web App**

1. Open the downloaded RDP file for the Azure VM and provide admin credentials.

2. Once connected, open the VM's browser.

3. Copy the HTTP link from the publish page and paste it in the VM's browser to access the web app.