

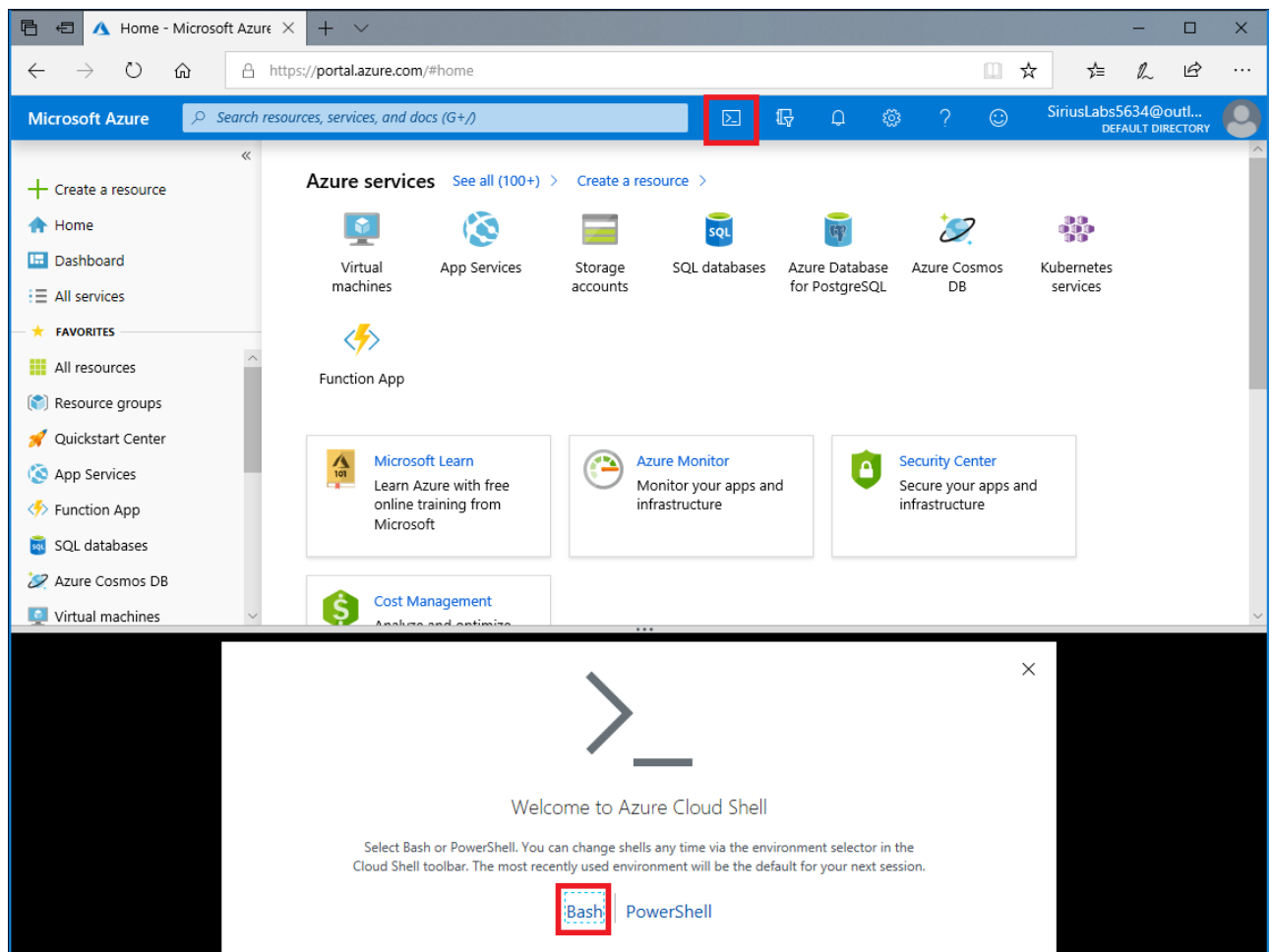
# Exercise - Write code to implement a web application

- 10 minutes

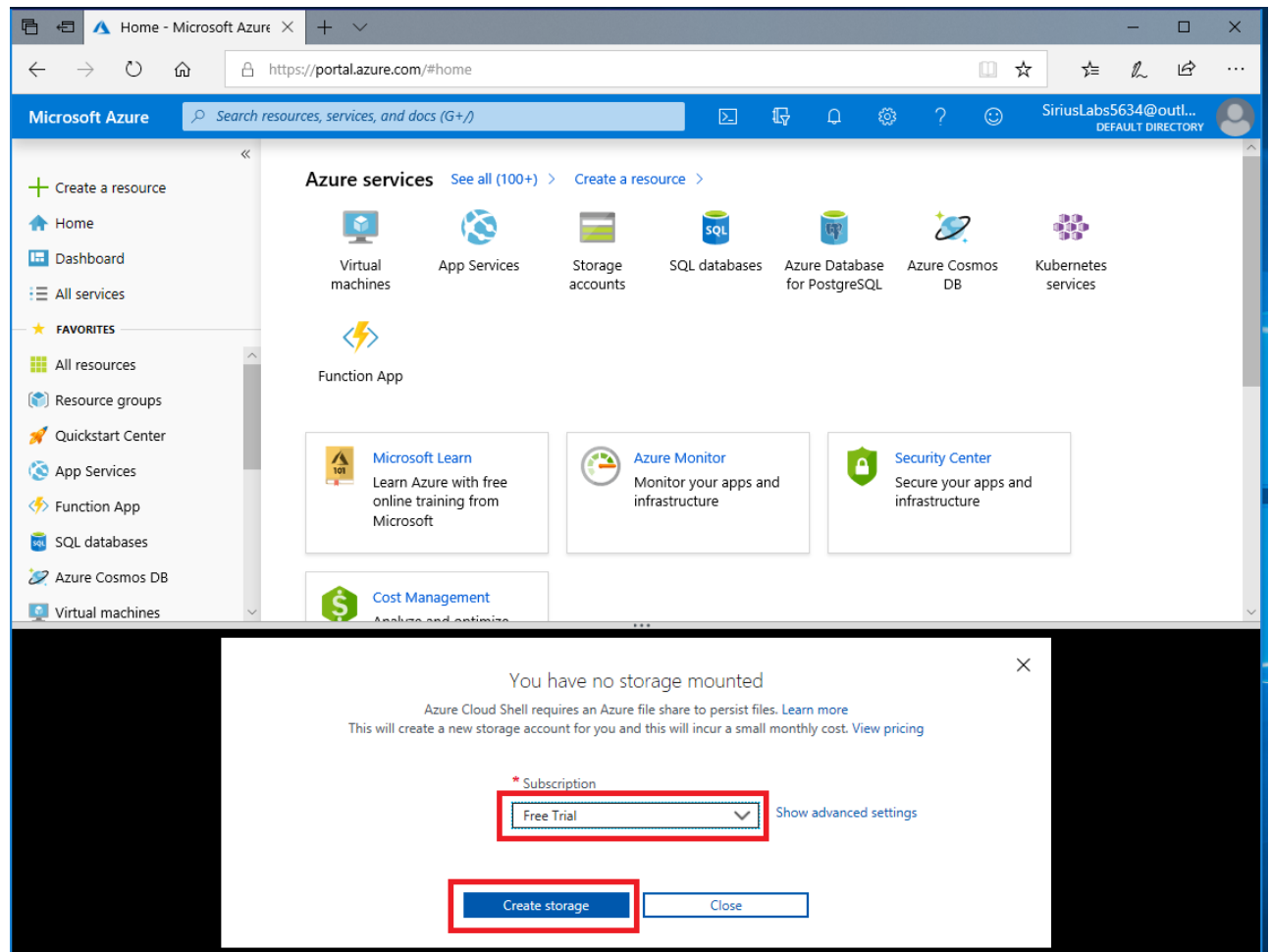
In this unit, you will use developer tools to create the C Sharp code for a starter web application.

## Login to the Azure Portal and Open Azure Cloud Shell in-line

1. Open the [Azure portal](#) in a browser.
2. Sign into Azure using the Microsoft account email address and password you created for this session.
3. Click the **Cloud Shell** icon in the toolbar to launch the in-line Cloud Shell window
4. If promoted, then click **Bash** in the window.

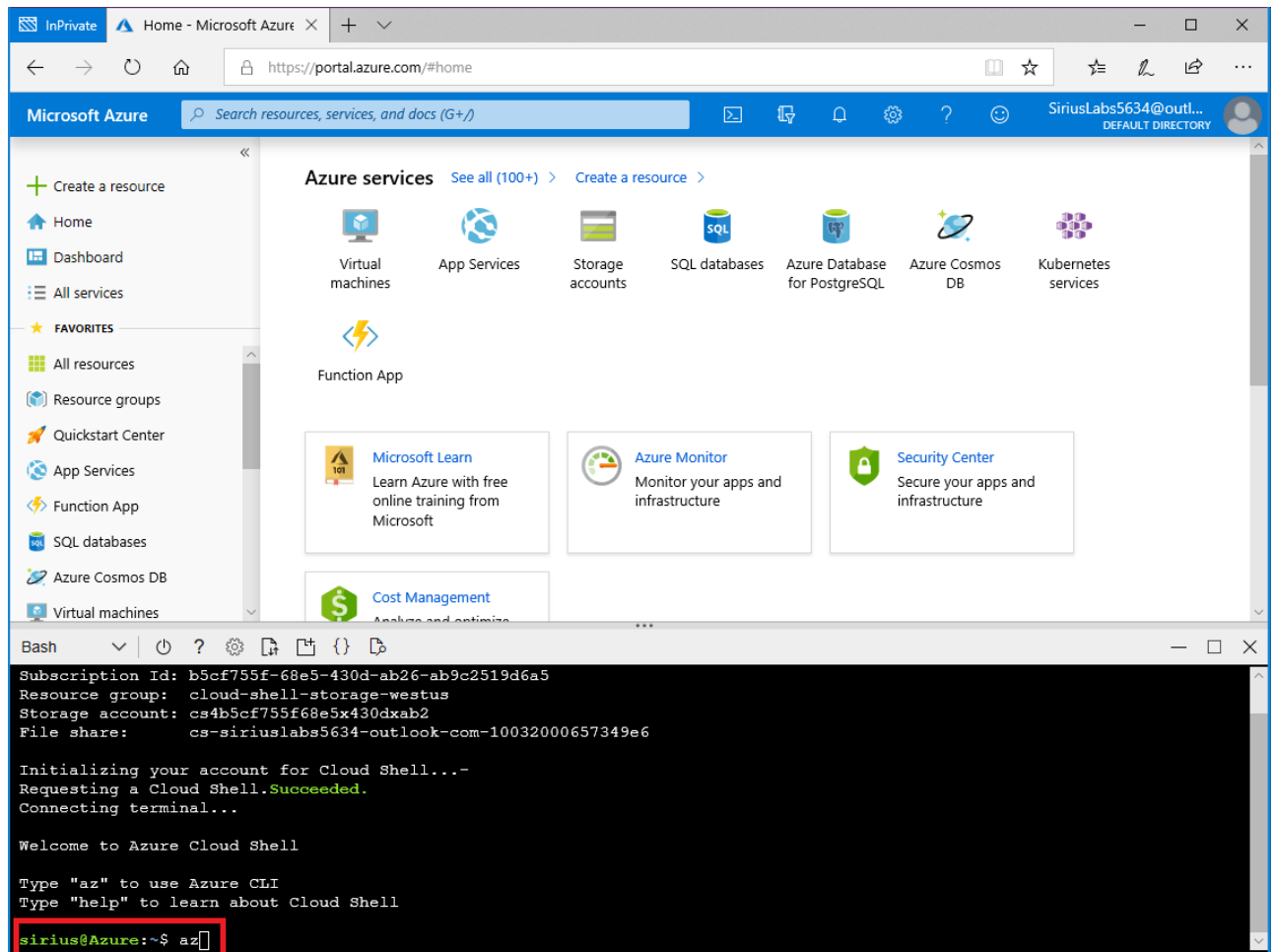


5. If prompted, select your subscription, and click **Create storage**.

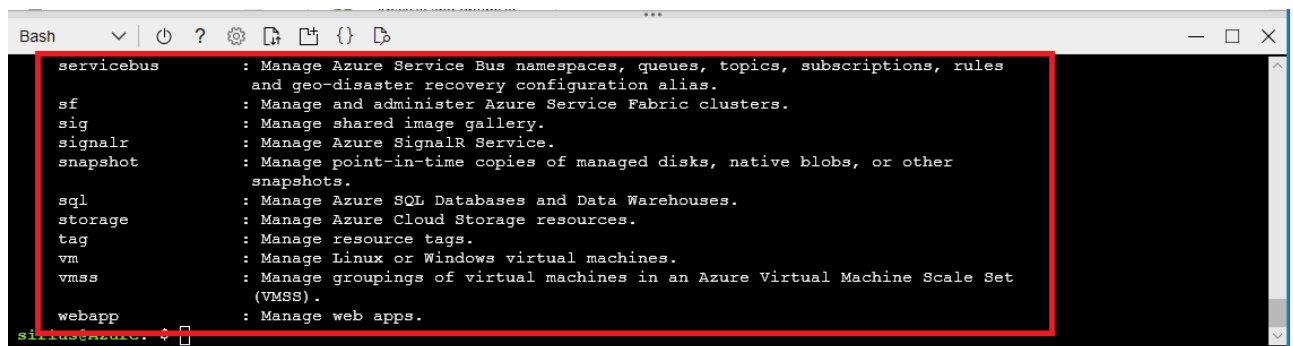


6. To start the Azure CLI, enter the following command and press Enter.

```
az
```



You should see something like the following list of available commands:



## Create a new web project

The heart of the .NET CLI tools is the **dotnet** command line tool. Using this command, you will create a new ASP.NET Core web project.

1. In the Cloud Shell, create a new ASP.NET Core MVC application. Name it **TestNetWebAppXXXXXXX**, where **XXXXXXX** is a word or number you add to give the web app a unique name.

```
dotnet new mvc --name TestNetWebAppXXXXXXX
```

2. The command will create a new folder named **TestNetWebAppXXXXXXX** to hold your project. **cd** there, then build and run the application to verify it is complete.

```
cd TestNetWebAppXXXXXXX
```

dotnet run

You should get something like:

```
Hosting environment: Development
Content root path: /home/your-user/TestNETWebAppXXXXXXX
Now listening on: https://localhost:5001
Now listening on: http://localhost:5000
Application started.
```

The output describes the situation after starting your app: the application is running and listening at port 5000.

If we were running the app on our own machine, we'd be able to open a browser to <http://localhost:5000> and see our site. To make this accessible from outside of our own machine, we'll need to deploy the app to somewhere with a public endpoint. The App Service instance we created earlier is perfect for that.

3. Press **Ctrl+C** to shut down the running app.

Congratulations! You just created the C# code for a Web App, in the Azure Cloud Shell.