Complete the following steps on AWS (Total Marks = 5).

Take a screenshot of each step and save it in a Word document and submitted on Moodle.

Create an EC2 instance (1 mark)

1. Go to the Ec2 dashboard
2. Click on Launch instance
3. Name the instance: **Win-*YourName***
4. Select OS: **Microsoft windows**
5. Key pair:
    1. Create a new key pair
        i. Type a key pair name: **windowsKey**
        ii. Private key file format: **.pem**
        iii. Click on **Create key pair**
    2. *The file will be downloaded automatically
6. Network settings:
    1. Allow RDP traffic: **checked**
    2. Allow HTTP traffic from the internet: **checked**
7. All the other options remain as default
8. Select Launch instance

Connect to the Instance (1 mark)

1. From the instance list select the **windows** instance and then click on connect button at the top
2. Select the RDP client
3. Click on get password
    a. Select the **windowsKey.pem** file which you downloaded on creation of the instance
    b. Click on decrypt password
    c. Copy the password
    d. An RDP file will be download
4. In your download folder find the RDP file and double click it
5. Connect to the windows EC2 machine

XAMPP (1 mark)

1. Download XAMPP
2. Install XAMPP
3. Open the XAMPP and run the Apache server
4. Open the browser and type 127.0.0.1 in the url
    a. You will see the XAMPP Apache dashboard

Enable firewall for port 80 Inbound and outbound
1. Open **Windows Defender Firewall**
2. On the left menu, click on **Advance settings**

Create an Inbound rule:

1. On the left menu, click on **Inbound Rules**
2. In the right menu, click **New Rule**

a. Select **port** and click next
b. Type **80** in the input field, then click next
c. Select **Allow the connection**, then click next
d. Domain, private, and public **checked**, then click next
e. Type a name (inbnd-**YourName)** for the new rule, then click Finish

Take a screenshot from the new inbound rule

Create an outbound rule:

3. On the left menu, click on **outbound Rules**
4. In the right menu, click **New Rule**
   a. Select **port** and click next
   b. Type **80** in the input field, then click next
   c. Select **Allow the connection**, then click next
   d. Domain, private, and public **checked**, then click next
   e. Type a **Name** (outbnd-**YourName)** for the new rule, then click Finish

Take screenshot form the new outbound rule

Access the XAMPP via your AWS EC2 public IP Address (open a browser and enter the IP address)and take a screenshot **(2 marks)**