**1. Create a complete setup(should not use any default resources) of a static website in EC2 instance which runs on port 80 and add a domain(if required we can add your IP for a domain) and add apache configuration.**

**Step 1: Launch an EC2 instance**

- Log in to the AWS Management Console
- Navigate to the EC2 dashboard
- Click "Launch Instance"
- Choose an Amazon Machine Image (AMI)
- Choose an instance type (e.g., t2.micro)
- Configure instance details (e.g., VPC, subnet, security group)
- Configure security groups to allow HTTP (port 80) traffic:

- Type: HTTP
- Protocol: TCP
- Port Range: 80
- Source: 0.0.0.0/0 (or your specific IP range)

- Launch the instance

**Step 2: Install Apache ,start and enable apache**

- Connect to the EC2 instance via SSH
- sudo yum update -y
- sudo yum install httpd -y
- sudo systemctl start httpd
- sudo systemctl enable httpd

**Step 3: Configure Apache to Serve Your Website using own Domain**

1.  Create the Directory for Your Website :
- sudo mkdir -p /var/www/noorjahan.hopto.org/public_html
- sudo chown -R ec2-user:ec2-user /var/www/noorjahan.hopto.org/public_html

**Step 4: Upload your HTML Code** :

‑  nano /var/www/noorjahan.hopto.org/public_html/index.html
Here Paste your HTML code into this file, then save and exit.

Step 5: Create the virtual Host Configuration:
- sudo nano /etc/httpd/conf.d/noorjahan.hopto.org.conf

Add the following content:

```
<VirtualHost *:80>
    ServerAdmin webmaster@noorjahan.hopto.org
    ServerName noorjahan.hopto.org
    DocumentRoot /var/www/noorjahan.hopto.org/public_html
    ErrorLog /var/log/httpd/noorjahan.hopto.org_error.log
    CustomLog /var/log/httpd/noorjahan.hopto.org_access.log combined
</VirtualHost>
```

**Step 5: Restart Apache:**

- sudo systemctl restart httpd

After completion of Step 5 ,update no-ip with your Ec2 instance ip and modify -save it

**Step 6: Test Your Website**

- open a web browser  and navigate to  "http://noorjahan.hopto.org"
- You Should see you website hosted on your Ec2 instance.

Not secure | 43.205.214.174

## Test Page

This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.

**If you are a member of the general public:**

The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.

If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

For example, if you experienced problems while visiting www.example.com, you should send e-mail to "webmaster@example.com".

**If you are the website administrator:**

You may now add content to the directory /var/www/html/. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file /etc/httpd/conf.d/welcome.conf.

You are free to use the image below on web sites powered by the Apache HTTP Server:

Powered by APACHE 2.4

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Not secure | noorjahan.hopto.org

# Orphanage and Old Age Home

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## Welcome to Our Orphanage and Old Age Home

We provide a safe and nurturing environment for orphans and elderly individuals.

## About Us

Our mission is to provide care, support, and love to those who need it the most. Our facility is dedicated to improving the lives of both orphans and elderly individuals by offering them a home where they feel valued and respected.

## Our Services

- Residential care for orphans and elderly
- Medical support and health check-ups
- Educational programs and vocational training
- Recreational activities and social events

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