**12. Write a CGI sample program to send output back to the user.**

Step 1: Install Apache Server

Step 2: Install Python

Step 3: Configure apache for CGI

1. Open the Apache configuration file located at C:\Apache24\conf\httpd.conf in a text editor
2. Uncomment the following lines (remove the #at the start of the line)

LoadModule cgi\_module modules/mod\_cgi.so

AddHandler cgi-script .cgi .py

1. In the same file, find the <Directory> section and change the Options line to:

Options Indexes FollowSymLinks ExecCGI

1. And add the following line:

AddHandler cgi-script .cgi .py

1. Change the ScriptAlias as shown below:

ScriptAlias / cgi-bin / “C:/Apache24/cgi-bin/”

1. Save and close the file

Step 4: Create and run the CGI script

1. In the C:\apache\Apache24\cgi-bin directory, create a new file called hello.py
2. Write the following code into the file:

#!C:\python\python.exe #Python path installed

print("content-type: text/html") #HTML is following

print() #blank line required, end of headers

print("<html><body><h1>Hello Sindhians, Welcome to CGI</h1></body></html>")

1. Save and close the file.
2. C:\Apache24\bin\httpd.exe 🡺 to run the Apache server.
3. Open a web browser and navigate to [**http://localhost/cgi-bin/hello.py**](http://localhost/cgi-bin/hello.py)

If everything has been set up correctly, “Hello Sindhians, Welcome to CGI”

Should be displayed in the browser.