PYTHON CGI

OBJECTIVES

At the end of this module, you will be able to:

➢ Understand and design Python CGI program .
➢ Understand and design a web Application using CGI module .

TOPIC AGENDA

Python CGI

COMMON GATEWAY INTERFACE

The Common Gateway Interface, or CGI, is a set of standards that define how information is exchanged between the web server and a custom script.

What is CGI

The Common Gateway Interface, or CGI, is a standard for external gateway programs to interface with information servers such as HTTP servers.

WEB SERVER SUPPORT AND CONFIGURATION

Before you proceed with CGI Programming, make sure that your Web Server supports CGI and it is configured to handle CGI Programs.

All the CGI Programs to be executed by the HTTP server are kept in a pre-configured directory.

This directory is called CGI Directory and by convention it is named /cgi-bin.

By convention, CGI files have extension as.**cgi,** but you can keep your files with python extension **.py** as well.

We can use Apache Tomcat/IIS server to run cgi program .

DEMO HELL0 WORLD PROGRAM

 # Contenttype:text/html\r\n\r\n.

#This line is sent back to the browser and it specifies the content type to be displayed on the browser screen.

print ("Content-type:text/html\r\n\r\n")

print ('<html>')

print ('<head>')

print ('<title>Hello Word Program </title>')

print ('</head>')

print ('<body>')

print ('<h2>Hello Word! From CGI program </h2>')

print ('</body>')

print ('</html>')

Save this file as hello.py extension

Write this URL in you browser

http://localhost:8080/CGIDemo/cgi-bin/hello.py

CGI METHODS TO GET FORM VALUE

Name	Description
form = cgi.FieldStorage()	Returns Form object .
form .getvalue('first_name')	Returns values entered in 'first_name' text filed

SUMMARY

At the end of this module, you are able to:

- Write program using CGI module
- Develop web application using CGI

Thank You

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