Module 4

Servlet:

Servlet is a small java program which runs on web server.servlet used to receive request from client.respond to client request.

Java we servlet programs.

CGI: commom gateway interface

CGI disadvantages:

Each process it will create a process, response time is high.

It less secured.

Platform dependent.

CGI Advantages:

CGI programs can written any language.

AS we are creating a new process for each request there will not be any concurrency issues.

CGI LIFE CYCLE steps:

1.client send request to web server by using http protocol.

2.web server will select which CGI program as to run.

CGI Follow:

1. 1.Parse the data
2. 2.Process the data.
3. 3.Generate the response

3.return response to webserver.

4.webserver will send the response to client.

Servlet Advantages:

1.platform independent

2.multithreading.

3.more secure than cgi programs.

Servlet Disadvantages:

1.servlets can be written in only java programming language.

2.As it creating thread for each request, it may cause concurrency issue at database.

Servlet LifeCycle steps:

Servlet web container responsible to handle servlet lifecycle steps.

1.Servlet class is loaded.

2.Servlet instance is created.

3.servlet init() is invoked

4.service() is invoked

5.destroy() is invoked

public void init(ServletConfig config)throws ServletException

public void service(ServletRequest req,ServletResponse res)throws ServletException,IOException

public void destroy()