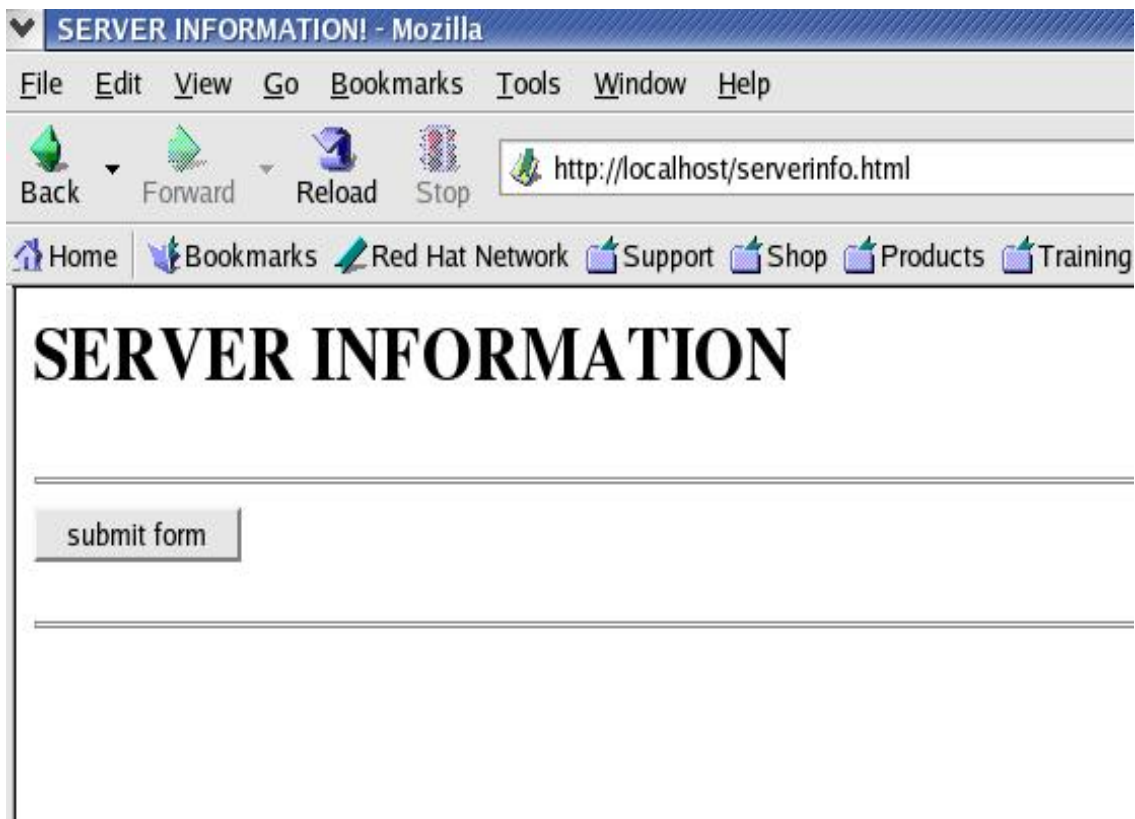


**1. PROGRAM TO DISPLAY THE VARIOUS SERVER INFORMATION LIKE –
SERVER NAME, SERVER SOFTWARE, SERVER PROTOCOL, CGI-
REVISION ETC.**

HTML FILE:

```
<html>
<head><title>SERVER INFORMATION!</title></head>
<body>
<h1>SERVER INFORMATION</h1>
<hr>
<form action="http://localhost/cgi-bin/serinfo.pl" method="get">
<input type="submit" value="submit form">
</form>
<hr>
</body>
</html>
```



PERL SCRIPT:

```
#!/usr/bin/perl
require "cgi-lib.pl";
print "content-type: text/html", "\n\n";
print "<HTML>", "\n";
print "<HEAD><TITLE>ABOUT THIS SERVER</TITLE></HEAD>", "\n";
print "<BODY><H1>ABOUT THIS SERVER</H1>", "\n";
print "<HR><PRE>";
print "server name:   ", $ENV{'SERVER_NAME'}, "<br>", "\n";
print "Running on the port:   ", $ENV{'SERVER_PORT'}, "<br>", "\n";
print "Server software:      ", $ENV{'SERVER_SOFTWARE'}, "<br>", "\n";
print "Server protocol:      ", $ENV{'SERVER_PROTOCOL'}, "<br>", "\n";
print "CGI VERSION:          ", $ENV{'GATEWAY_INTERFACE'}, "<br>", "\n";
print "root document:        ", $ENV{'DOCUMENT_ROOT'}, "<br>", "\n";
print "<HR></PRE>", "\n";
print "</BODY></HTML>", "\n";
exit(0);
```



1 B. PROGRAM TO ACCEPT UNIX COMMAND FROM HTML FORM AND TO DISPLAY THE OUTPUT OF THE COMMAND EXECUTED.

HTML FILE:

```
<html>
<head><title>UNIX COMMAND EXECUTION!</title></head>
<body>
<h1>UNIX COMMAND</h1>
<hr>
<form action="http://localhost/cgi-bin/unix1.pl" method="get">
COMMAND:<input type="text" name="command" size=40>
<p>
<input type="submit" value="EXECUTE COMMAND">
<input type="reset" value="CLEAR">
</form>
<hr></body></html>
```

UNIX COMMAND EXECUTION! - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://localhost/unix.html

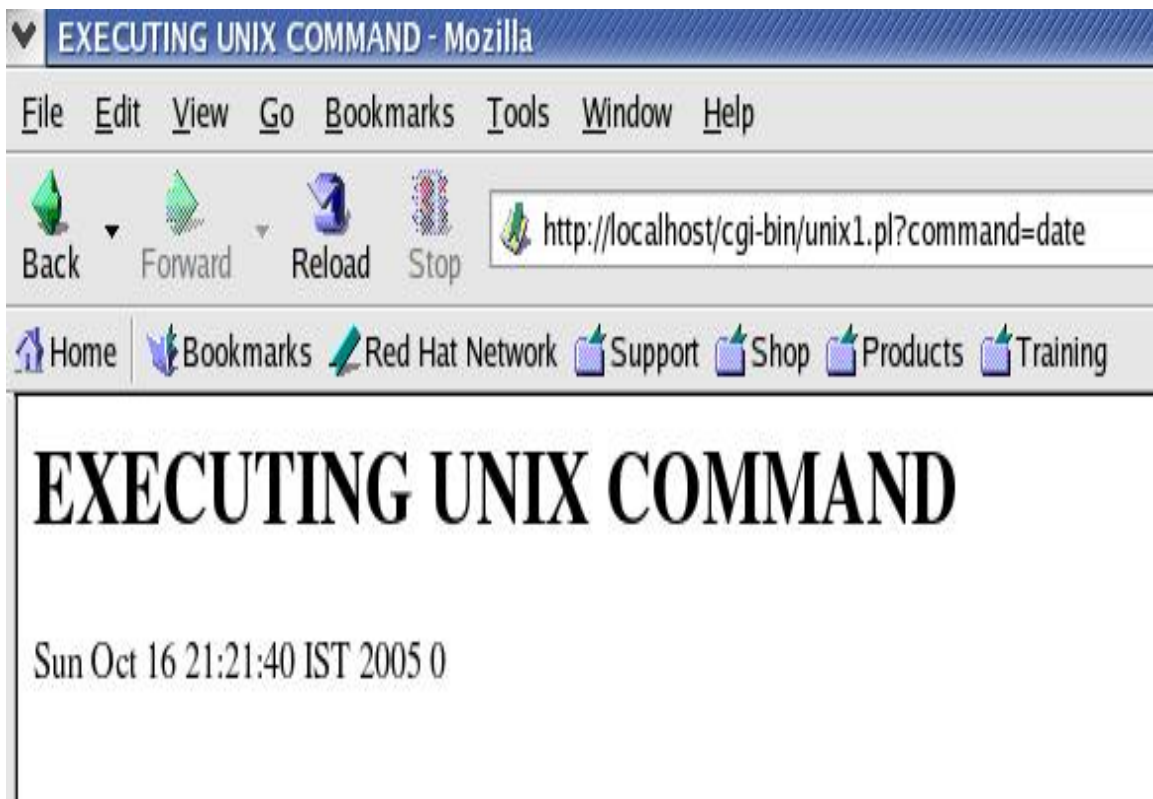
Home Bookmarks Red Hat Network Support Shop Products Training

UNIX COMMAND

COMMAND:

PERL FILE:

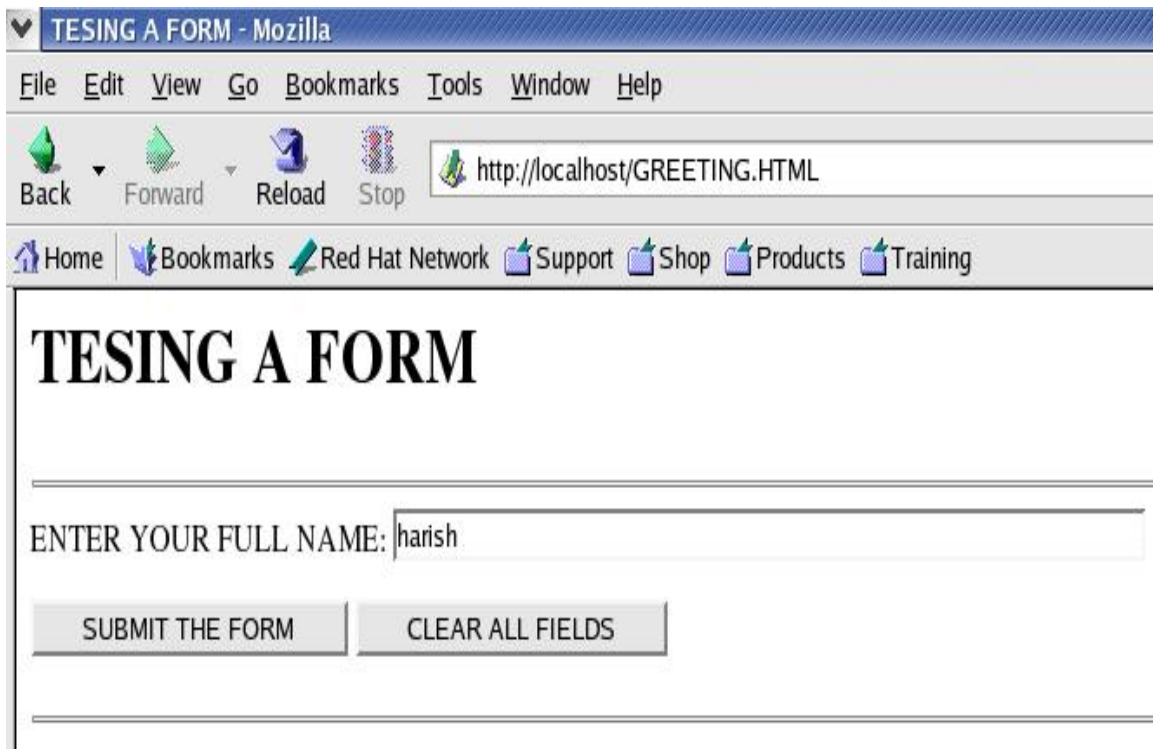
```
#!/usr/bin/perl
require "cgi-lib.pl";
print "content-type: text/html", "\n\n";
print "<HTML>", "\n";
print "<HEAD><TITLE>EXECUTING UNIX COMMAND</TITLE></HEAD>", "\n";
print "<BODY><H1>EXECUTING UNIX COMMAND</H1>", "\n";
$query_string=$ENV{'QUERY_STRING'};
($field_name,$command)=split(/=/, $query_string);
$com=system($command);
if($com==-1)
{
print "command not found! error";
}
else
{
print $com;
}
print "</body></html>";
exit(0);
```



2 A. PROGRAM TO ACCEPT THE USER NAME AND DISPLAY A GREETING MESSAGE.

HTML FILE:

```
<HTML>
<HEAD><TITLE>TESING A FORM</TITLE></HEAD>
<BODY>
<H1>TESING A FORM</H1>
<HR>
<FORM ACTION="http://localhost/cgi-bin/greeting.pl" METHOD="post">
ENTER YOUR FULL NAME: <INPUT TYPE="TEXT" NAME="user"
SIZE=60><BR>
<P>
<INPUT TYPE="SUBMIT" VALUE="SUBMIT THE FORM">
<INPUT TYPE="RESET" VALUE="CLEAR ALL FIELDS">
</FORM><HR>
</BODY></HTML>
```



The screenshot shows a Mozilla browser window with the title 'TESING A FORM - Mozilla'. The address bar displays 'http://localhost/GREETING.HTML'. The browser's menu bar includes File, Edit, View, Go, Bookmarks, Tools, Window, and Help. The navigation bar contains Back, Forward, Reload, and Stop buttons. The bookmarks bar shows links to Home, Bookmarks, Red Hat Network, Support, Shop, Products, and Training. The main content area displays the title 'TESING A FORM' in a large, bold, serif font. Below the title is a horizontal line. Underneath the line is a text input field with the label 'ENTER YOUR FULL NAME:' and the text 'harish' entered. Below the input field are two buttons: 'SUBMIT THE FORM' and 'CLEAR ALL FIELDS'. The browser window is framed by a thin border.

PERL SCRIPT:

```
#!/usr/bin/perl
require "cgi-lib.pl";
&ReadParse(*simple_form);
$user=$simple_form{'user'};
print "content-type: text/html", "\n\n";
print "<HTML>", "\n";
print "<HEAD><TITLE>GREETING MESSAGE</TITLE></HEAD>", "\n";
print "<BODY><H1>GREETING MESSAGE</H1>", "\n";
print "<HR><PRE>";
print "NICE TO MEET YOU ", $simple_form{'user'}, ". ", "\n";
print "please visit this web server again!", "\n";
print "<HR></PRE>", "\n";
print "</BODY></HTML>", "\n";
exit(0);
```



2 B. PROGRAM TO KEEP TRACK OF THE NUMBER OF VISITORS, VISITED THE WEB PAGE AND DISPLAY THE COUNTER WITH PROPER HEADINGS.

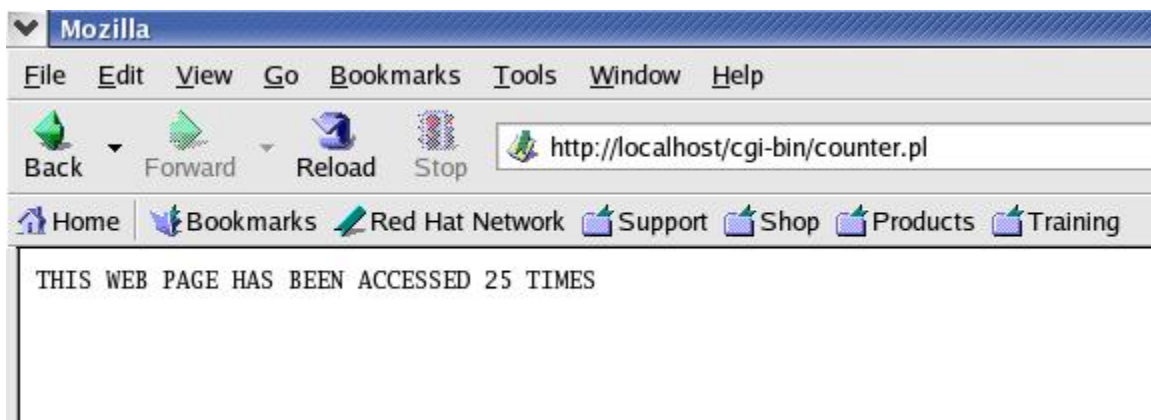
HTML FILE:

```
<HTML>
<HEAD><TITLE>WEB PAGE ACCESS</TITLE></HEAD>
<BODY>
<H1>WEB PAGE ACCESS</H1>
<HR>
<form action="http://localhost/cgi-bin/counter.pl" method="post">
<P>
click here to see the number of times this web page is accessed
<INPUT TYPE="SUBMIT" VALUE="SUBMIT THE FORM">
</FORM><HR>
</BODY></HTML>
```



PERL SCRIPT:

```
#!/usr/bin/perl
require "cgi-lib.pl";
print "content-type: text/plain", "\n\n";
$count_file="/usr/local/bin/count.txt";
if(open(FILE, "<" . $count_file))
{
    $no_accesses=<FILE>;
    close(FILE);
    if(open(FILE, ">" . $count_file))
    {
        $no_accesses++;
        print FILE $no_accesses;
        close(FILE);
        print "THIS WEB PAGE HAS BEEN ACCESSED ";
        print $no_accesses;
        print " TIMES";
    }
}
else
{
    print "cannot open the data file", "\n";
    print $no_accesses;
}
}
else
{
    print "sorry cant read from file";
}
exit(0);
```



3. PROGRAM TO DISPLAY A GREETING BASED ON THE ACCESS TIME OF THE WEB SERVER. ALSO TO VERIFY WHETHER THE WEB MASTER IS CURRENTLY LOGGED IN OR NOT.

HTML FILE:

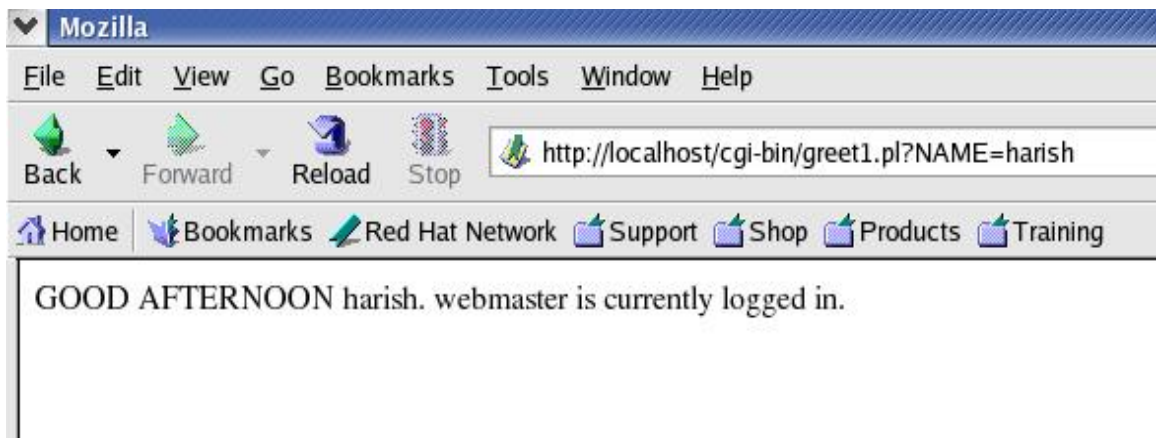
```
<html>
<head><title>GREETING BASED ON THE ACCESS TIME OF THE
WEB</title></head>
<body>
<form action="http://localhost/cgi-bin/greet1.pl" method="get">
<hr>
<font color="BLUE">DISPALYING THE GREETING MESSAGE BASED ON THE
ACCESS TIME OF THE WEB SERVER
<hr>
<br>
<CENTER>ENTER YOUR NAME
<INPUT TYPE="TEXT" NAME="NAME" SIZE="20"></CENTER>
</font>
<BR><hr>
<CENTER><input type="submit" value="ENTER"></CENTER><hr>
</form></body>
</html>
```



PERL SCRIPT:

```
#!/usr/bin/perl
require "cgi-lib.pl";
&ReadParse(*simple_form);
$name=$simple_form{'NAME'};
print "content-type: text/html", "\n\n";
$webmaster="root";
($seconds, $minutes, $hour)=localtime(time);
if ( ($hour>=23) || ($hour<=6) )
{
    $greeting="wow, you are up late";
}
elsif ( ($hour>6) && ($hour<12) )
{

    $greeting="GOOD MORNING";
}
elsif ( ($hour>=12) && ($hour<=18) )
{
    $greeting="GOOD AFTERNOON";
}
else
{
    $greeting="GOOD EVENING";
}
print $greeting , "\n";
print $name, ".";
open(CHECK, "/usr/bin/w -h -s $webmaster |");
if(<CHECK>=~/$webmaster/)
{
    $in_out=" webmaster is currently logged in.";
}
else
{
    $in_out=" webmaster is just stepped out.";
}
print $in_out;
exit(0);
```



4. PROGRAM TO DISPLAY A DIGITAL CLOCK WHICH DISPLAYS THE CURRENT TIME OF THE SERVER.

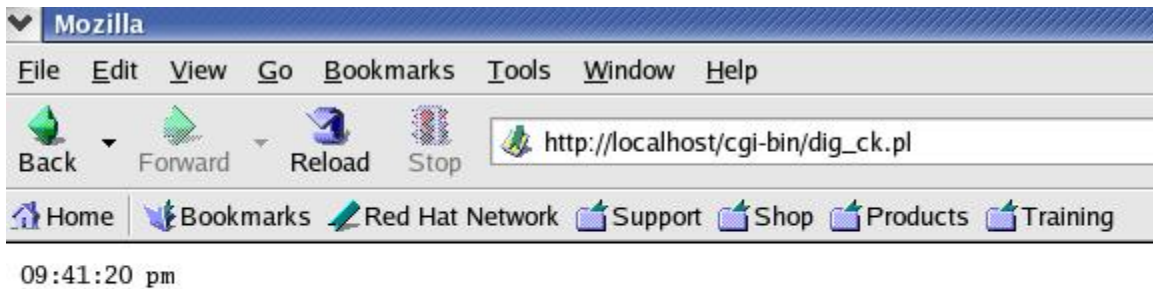
HTML FILE:

```
<html>
<head><title>DISPLAYING THE DIGITAL CLOCK</title></head>
<body>
<form action="http://localhost/cgi-bin/dig_ck.pl" method="post">
<h1><center>DIGITAL CLOCK</center></h1>
CLICK ON THIS BUTTON TO VIEW THE DIGITAL CLOCK
<br>
<center><input type="submit" value="DISPLAY CLOCK"></center>
</form>
</body>
</html>
```



PERL SCRIPT:

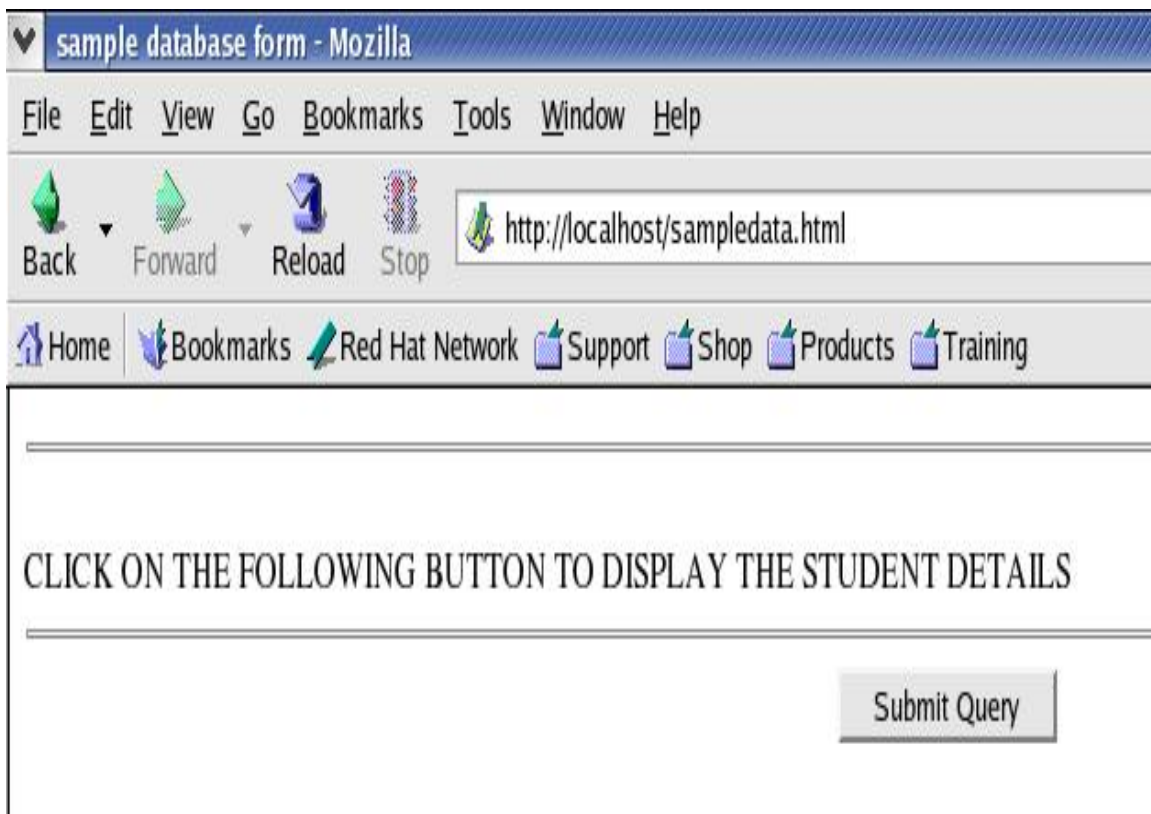
```
#!/usr/bin/perl
require "cgi-lib.pl";
print "content-type: text/plain", "\n\n";
$GS="/usr/bin/gs";
$|=1;
($seconds, $minutes, $hour)=localtime(time);
if($hour>12)
{
    $hour-=12;
    $ampm="pm";
}
else
{
    $ampm="am";
}
if($hour==0)
{
    $hour=12;
}
$time=sprintf("%02d:%02d:%02d %s", $hour, $minutes, $seconds, $ampm);
print $time;
exit(0);
```



5. PROGRAM TO DISPLAY THE CURRENT CONTENTS OF THE TABLE IN A DATABASE.

HTML FILE:

```
<html>
<head><title>sample database form</title></head>
<body>
<form action="http://localhost/cgi-bin/samdata.pl" method="post">
<HR><BR>
CLICK ON THE FOLLOWING BUTTON TO DISPLAY THE STUDENT DETAILS
<HR>
<center><input type="submit" name="student details"></center>
</form></body>
</html>
```



PERL SCRIPT:

```
#!/usr/bin/perl
require "cgi-lib.pl";
use DBI;
print "content-type: text/html", "\n\n";
$dbh=DBI->connect('dbi:mysql:mysql','root','harry');
$r=$dbh->prepare("select * from stud");
$r->execute();
while(($a,$b)=$r->fetchrow_array())
{
print "<HTML>", "\n";
print "<BODY>", "\n";
print "<HR><PRE>";
print "NAME <input type=\"text\" name=\"g1\" value= $a>";
print "REGNO <input type=\"text\" name=\"g2\" value= $b>";
print "<HR></PRE>", "\n";
print "</BODY></HTML>", "\n";
}$r->finish();
exit(0);
```

Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://localhost/cgi-bin/samdatab.pl

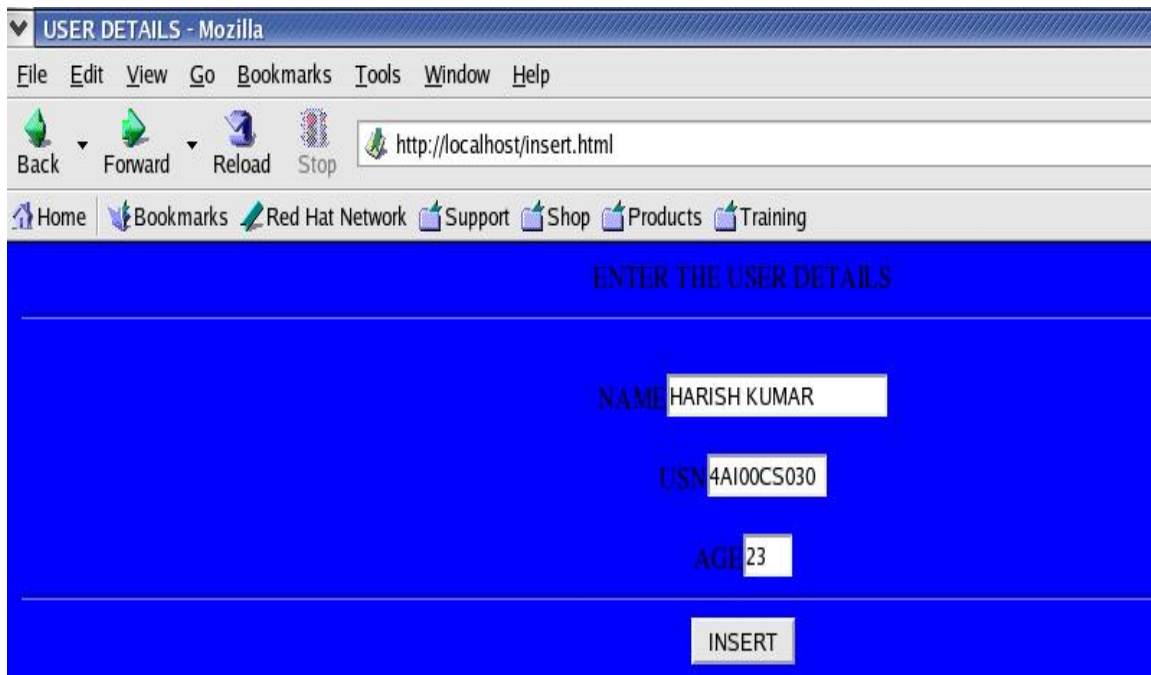
Home Bookmarks Red Hat Network Support Shop Products Training

NAME	harish	REGNO	4ai00cs030
NAME	chetan	REGNO	1bi00cs031
NAME	kumar	REGNO	1bi00cs032
NAME	prem	REGNO	1bi00cs033
NAME	ram	REGNO	1bi00cs034

6. PROGRAM TO INSERT NEW NAME AND AGE INFORMATION ENTERED BY THE USER INTO THE DATABASE.

HTML FILE:

```
<html>
<head><title>USER DETAILS</title></head>
<body bgcolor="blue">
<form action="http://localhost/cgi-bin/insert.pl" method="post">
<CENTER>ENTER THE USER DETAILS</CENTER>
<HR>
<BR>
<CENTER>NAME<INPUT TYPE="TEXT" NAME="UNAME"
SIZE="20"></CENTER>
<BR>
<CENTER>USN<INPUT TYPE="TEXT" NAME="USN" SIZE="10"></CENTER>
<BR>
<CENTER>AGE<INPUT TYPE="TEXT" NAME="AGE" SIZE="3"></CENTER>
<HR>
<CENTER><INPUT TYPE="SUBMIT" VALUE="INSERT"></CENTER>
</FORM></BODY>
</HTML>
```



USER DETAILS - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://localhost/insert.html

Home Bookmarks Red Hat Network Support Shop Products Training

ENTER THE USER DETAILS

NAME HARISH KUMAR

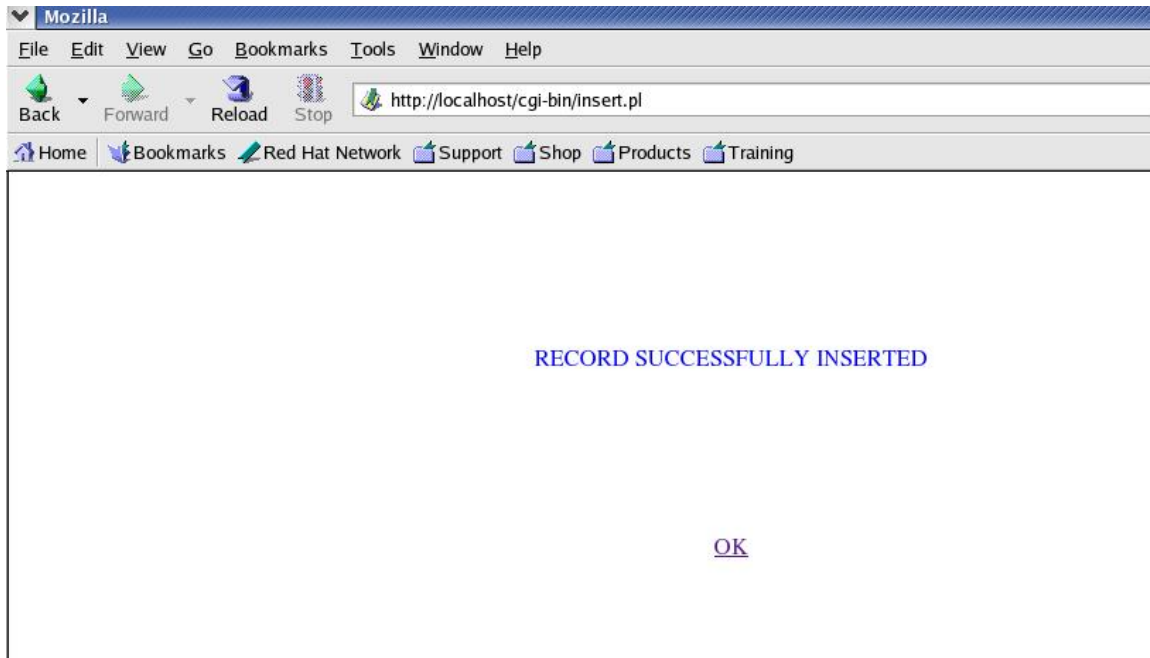
USN 4AI00CS030

AGE 23

INSERT

PERL SCRIPT:

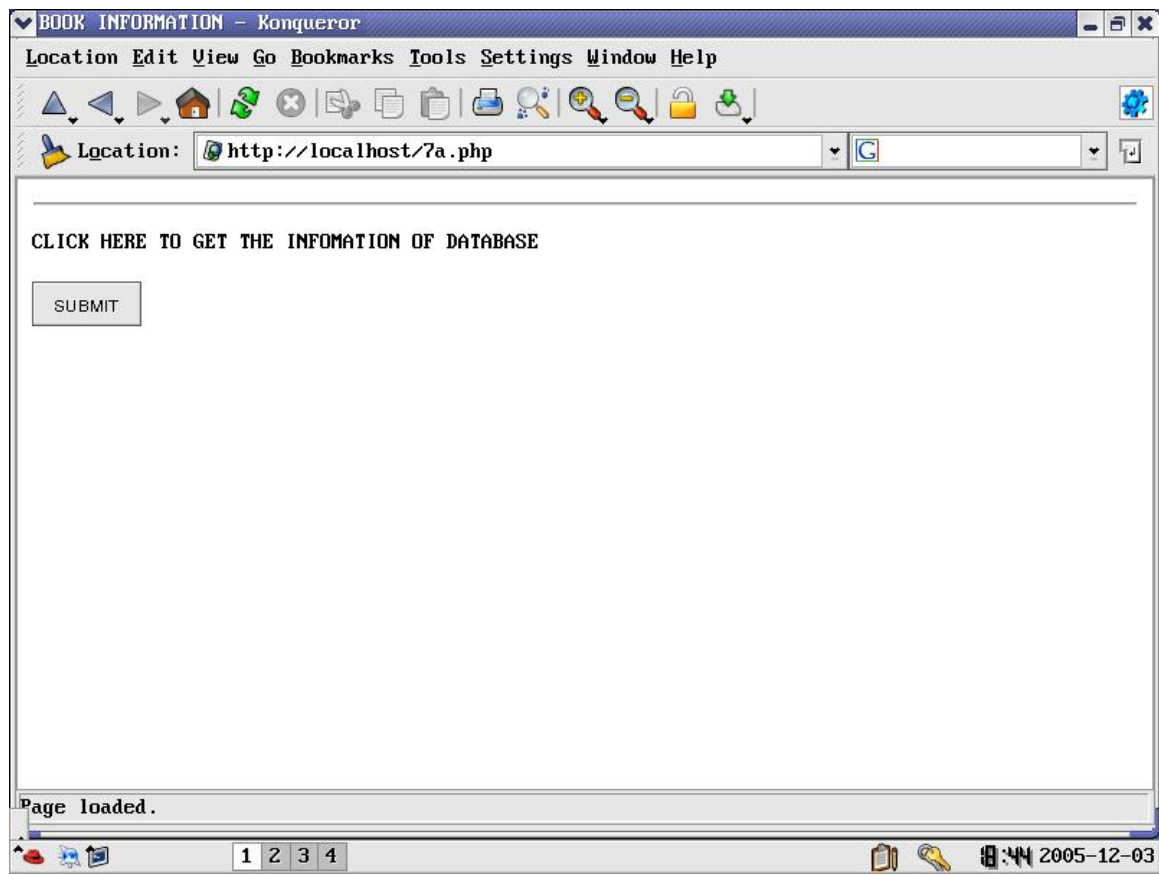
```
#!/usr/bin/perl
require "cgi-lib.pl";
use DBI;
print "content-type: text/html", "\n\n";
$dbh=DBI->connect('dbi:mysql:mysql','root','harry');
&ReadParse(*p);
$x=$p{'UNAME'};
$y=$p{'USN'};
$a=$p{'AGE'};
$r=$dbh->prepare("insert into student values('$x','$y','$a')");
$r->execute();
$r->finish();
print "<html><body>";
print "<center>";
print "<font color=BLUE>";
print "<br><br><br><br><br><br>";
print "RECORD SUCCESSFULLY INSERTED";
print "<br><br><br><br><br><br><br>";
print "<a href=http://localhost/insert.html>OK</a>";
print "</font>";
print "</center>";
print "</body></html>";
exit(0);
```



7) PROGRAM TO QUERY THE DATABASE AND TO DISPLAY THE RESULT ON A WEB PAGE

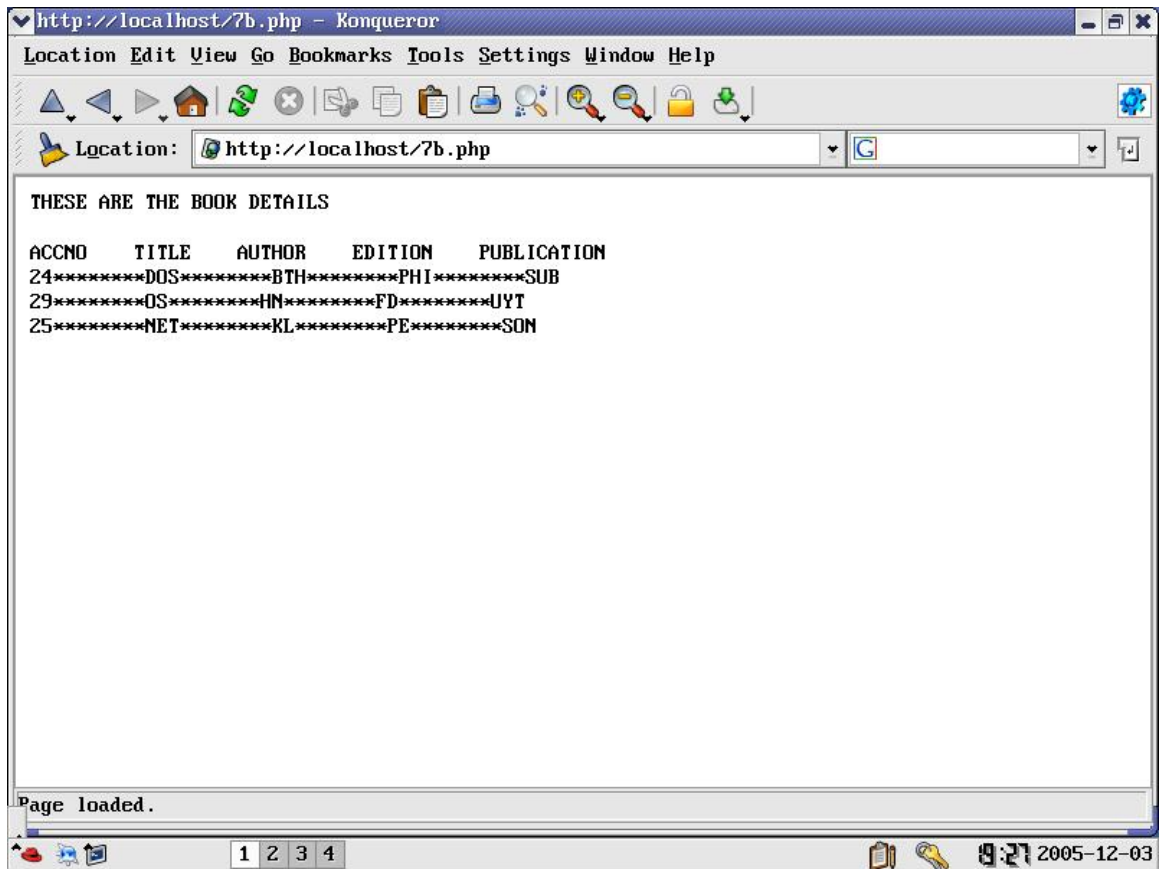
PHP SCRIPT(HTML):

```
<html>
<head><title>BOOK INFORMATION</title></head>
<body>
<form action="<?php echo("7b.php"); ?>"method=post>
<p>
<hr>
<h1>CLICK HERE TO GET THE INFOMATION OF DATABASE</h1>
<input type="submit" value="SUBMIT">
</form>
</body>
</html>
```



PHP SCRIPT

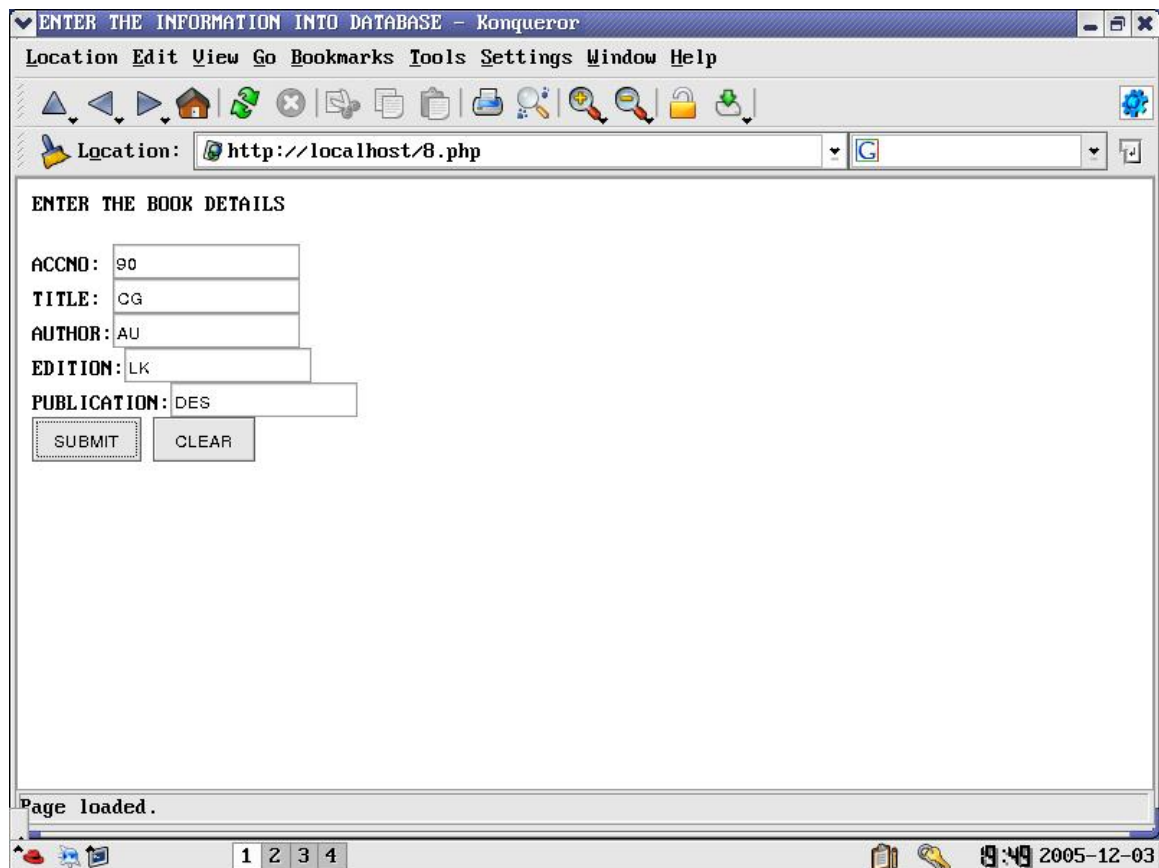
[illegible]



8) PROGRAM TO ACCEPT BOOK INFORMATION VIZ ACCESSION NUMBER, TITLE, AUTHOR, EDITION AND PUBLICATION FROM A WEB PAGE AND TO STORE IN A DATABASE

PHP SCRIPT(HTML):

```
<html>
<head><title>ENTER THE INFORMATION INTO DATABASE</title></head>
<body>
<form action="<?php echo("8a.php"); ?>"method=post>
<h1>ENTER THE BOOK DETAILS</h1>
ACCNO: <input type="text"name="acc_no"> <br>
TITLE: <input type="text"name="title"> <br>
AUTHOR:<input type="text"name="author"> <br>
EDITION:<input type="text"name="edition"> <br>
PUBLICATION:<input type="text"name="publication"> <br>
<input type="submit"value="SUBMIT">
<input type="reset"value="CLEAR">
</body>
</html>
```



PHP SCRIPT:

```
<?php
$dbcnx=@mysql_connect("localhost","root");
if(!$dbcnx)
```

```

{
echo ("error connecting dbase");
exit();
}
if(!@mysql_select_db("mysql"))
{
echo("no database");
exit();
}
$acc_no=$_POST["acc_no"];
$acc_no=addslashes($acc_no);
$title=$_POST["title"];
$title=addslashes($title);
$author=$_POST["author"];
$author=addslashes($author);
$edition=$_POST["edition"];
$edition=addslashes($edition);
$publication=$_POST["publication"];
$publication=addslashes($publication);

if($acc_no=="")
{
echo("missing acc");
$charge=1;
}
if($title=="")
{
echo("missing title");
$charge=1;
}
if($author=="")
{
echo("missing author");
$charge=1;
}

if($edition=="")
{
echo("missing edition");
$charge=1;
}

if($publication=="")
{
echo("missing publication");
$charge=1;
}

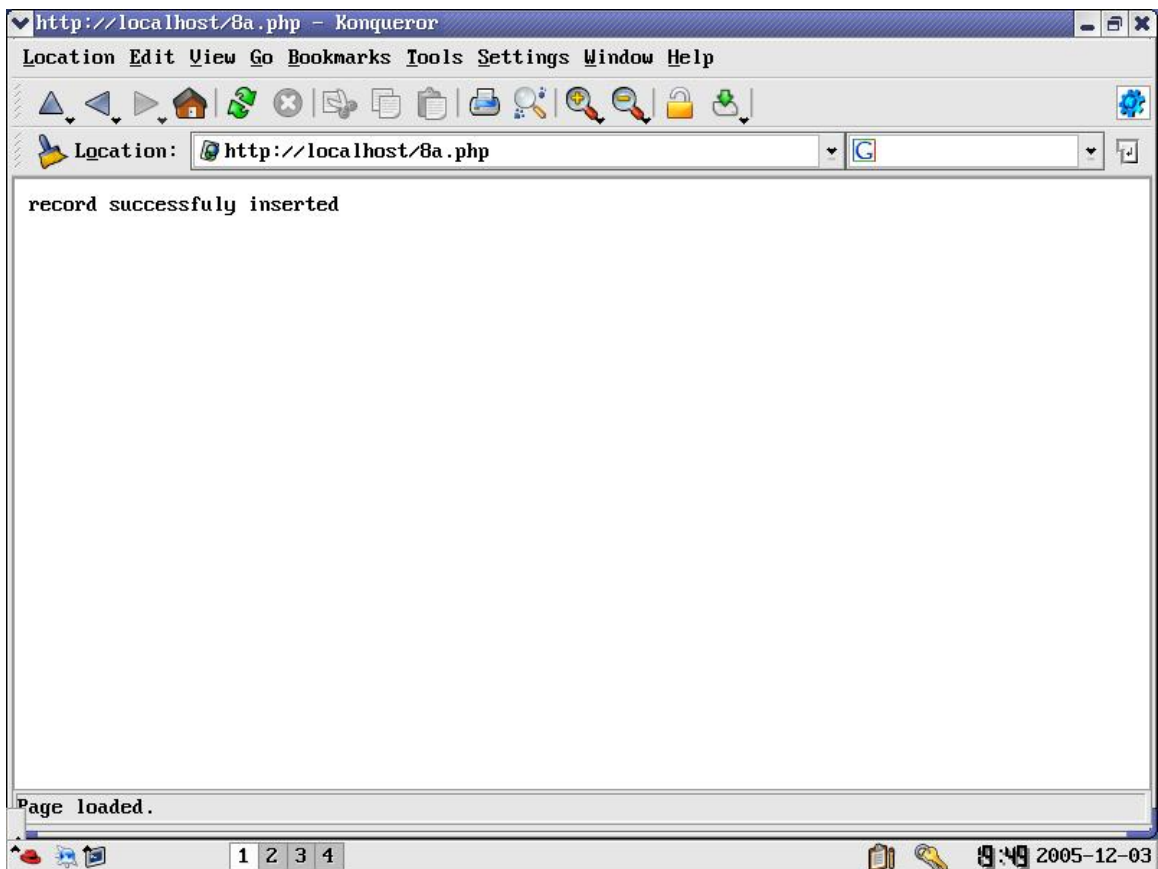
if($charge!=1)
{
$sql="INSERT INTO book
values('$acc_no','$title','$author','$edition','$publication')";
}
}

```



```
if(mysql_query($sql))
{
echo("record successfully inserted");

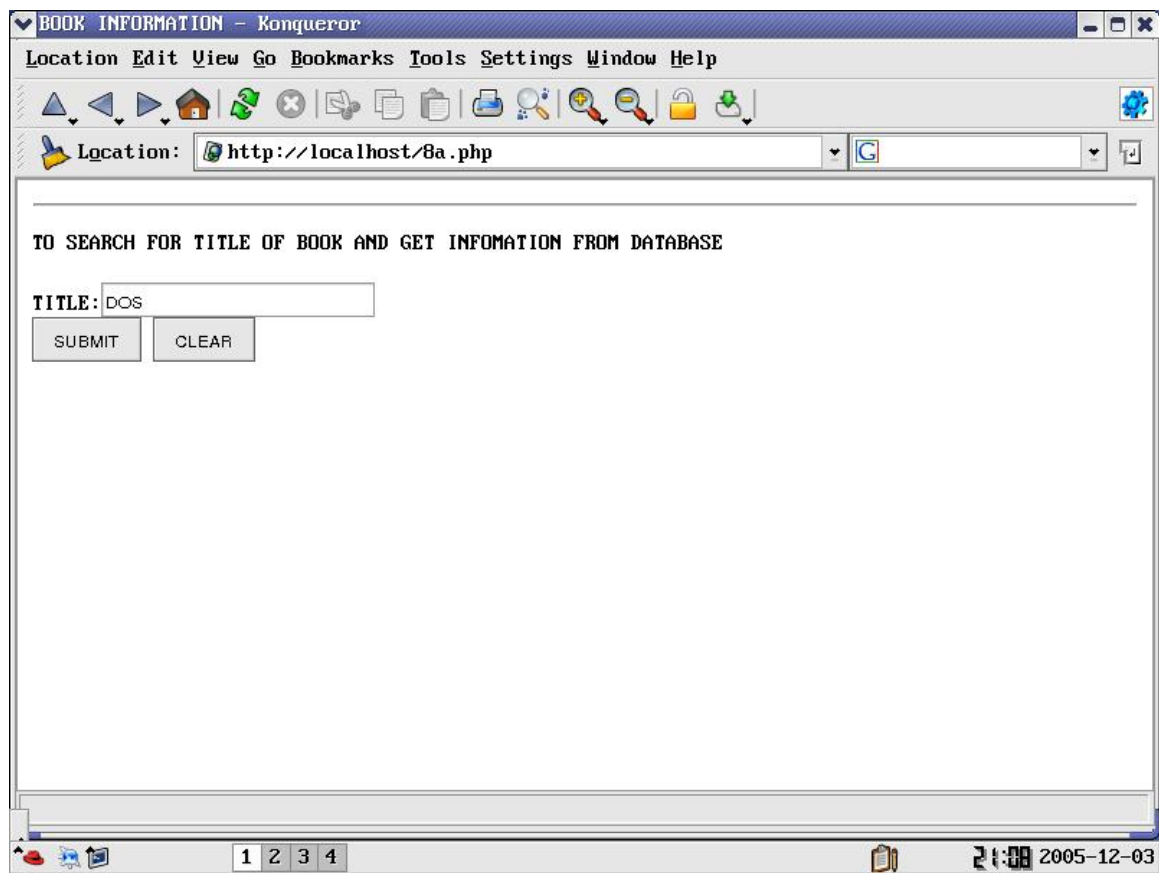
}
else
{
echo("record ins failed");
}
?>
```



9) PROGRAM TO SEARCH A BOOK FOR A TITLE GIVEN BY THE USER ON A WEB PAGE AND DISPLAY THE SEARCH RESULTS WITH PROPER HEADINGS

PHP SCRIPT(HTML):

```
<html>
<head><title>BOOK INFORMATION</title></head>
<body>
<form action="<?php echo("8.php"); ?>"method=post>
<p><hr>
<h1>TO SEARCH FOR TITLE OF BOOK AND GET INFOMATION FROM DATABASE</h1>
TITLE:<input type="text" name="title" size=30>
<br>
<input type="submit" value="SUBMIT">
<input type="reset" value="CLEAR">
</form></body>
</html>
```



PHP SCRIPT:

```
<?php
$dbcnx=@mysql_connect("localhost","root");
if(!$dbcnx)
{
```

```

echo("error connecting to the database");
exit();
}

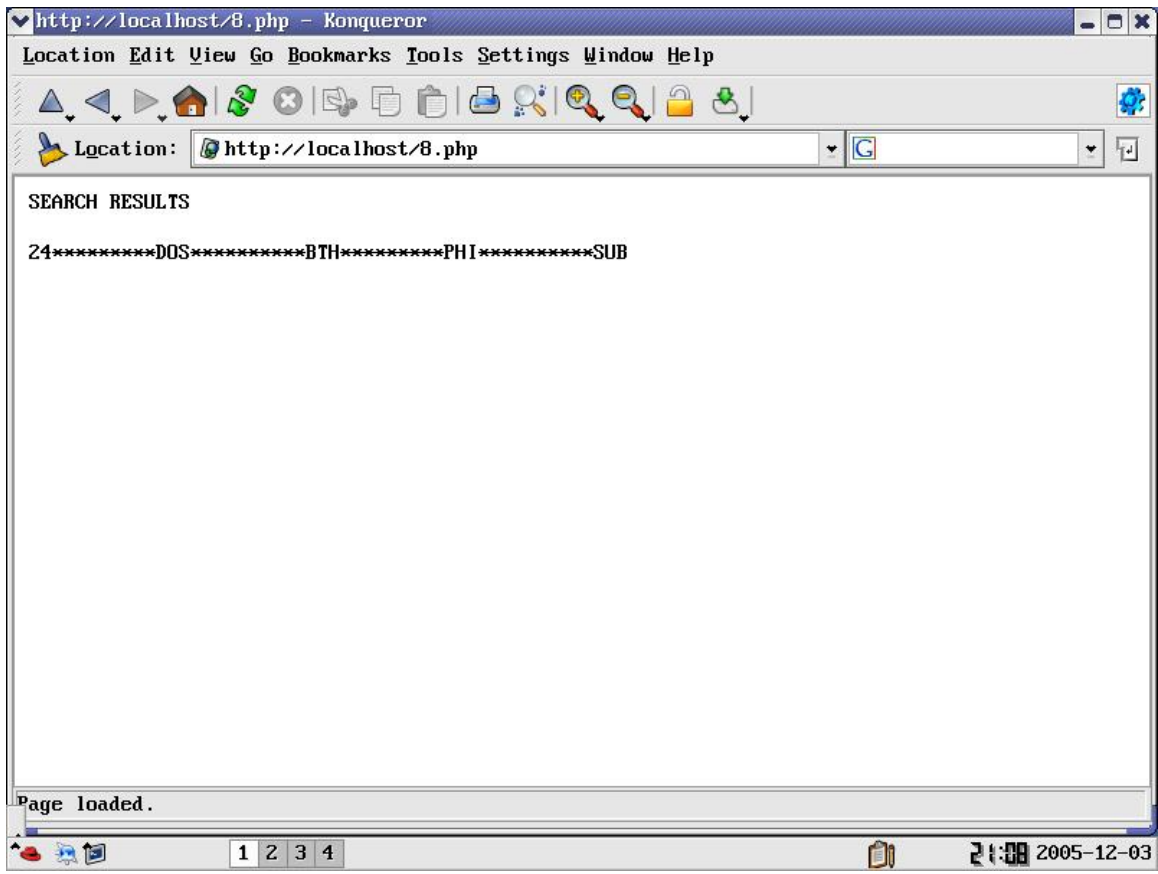
if(!@mysql_select_db("mysql"))
{
echo("no database");
exit();
}
$title=$_POST["title"];
$title=addslashes($title);

if($title=="")
{
echo("empty title");
$check=1;
}
if($check!=1)
{
$result=mysql_query("select acc_no,title,author,edition,publication
from book WHERE title like '%$title%'");
}
if(!$result)
{
echo("error executing query");
exit();
}

?>
<h1>SEARCH RESULTS</h1>

<?php
while($row=mysql_fetch_array($result))
{
echo($row["acc_no"]);
echo("*****");
echo($row["title"]);
echo("*****");
echo($row["author"]);
echo("*****");
echo($row["edition"]);
echo("*****");
echo($row["publication"]);
echo("<br>");
}??>

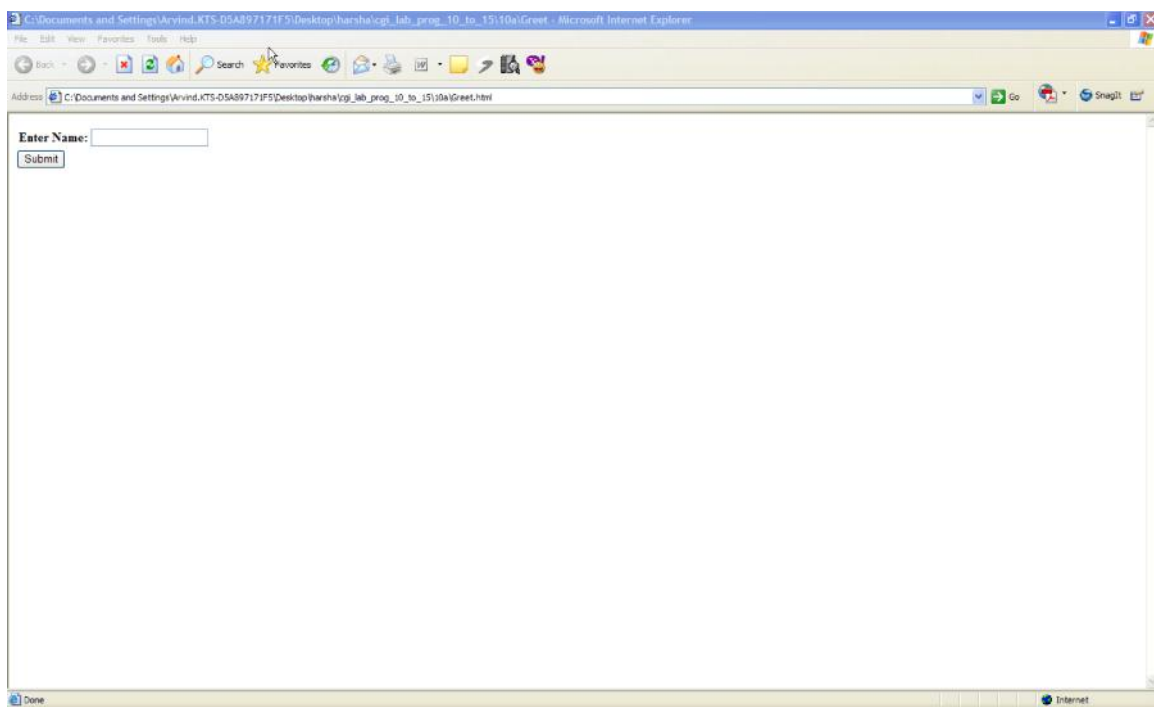
```



10A) PROGRAM TO ACCEPT USER NAME AND DISPLAY A GREETING MESSAGE.

HTML FILE

```
<html>
<body>
  <form action="http://localhost:8080/servlet/Greet" method=get>
    <table>
      <tr>
        <td><b>Enter Name: </b></td>
        <td><input type=textBox name="user"></td>
      </tr>
    </table>
    <input type=submit value="Submit">
  </form>
</body>
</html>
```

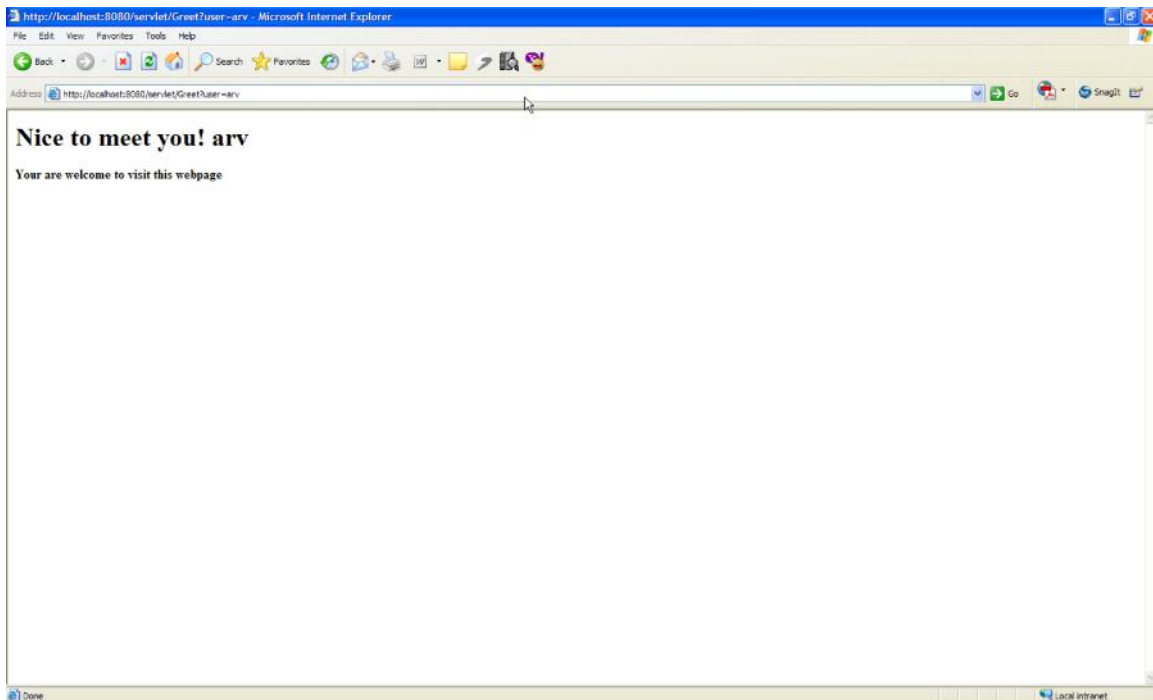


JAVA FILE

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class Greet extends HttpServlet
{
    public void doGet(HttpServletRequest req, HttpServletResponse res) throws
ServletException, IOException
    {
        String username = req.getParameter("user");
        PrintWriter pw = res.getWriter();
        res.setContentType("text/html");
        if(username.length() > 0) {
            pw.println("<b><h1>");
            pw.println("Nice to meet you! "+ username);
            pw.println("</h1>");
            pw.println("Your are welcome to visit this webpage");
            pw.println("</b>");
        }
        else {
            pw.println("<h2>You have not entered your name!!!</h2>");
        }
        pw.close();
    }
}

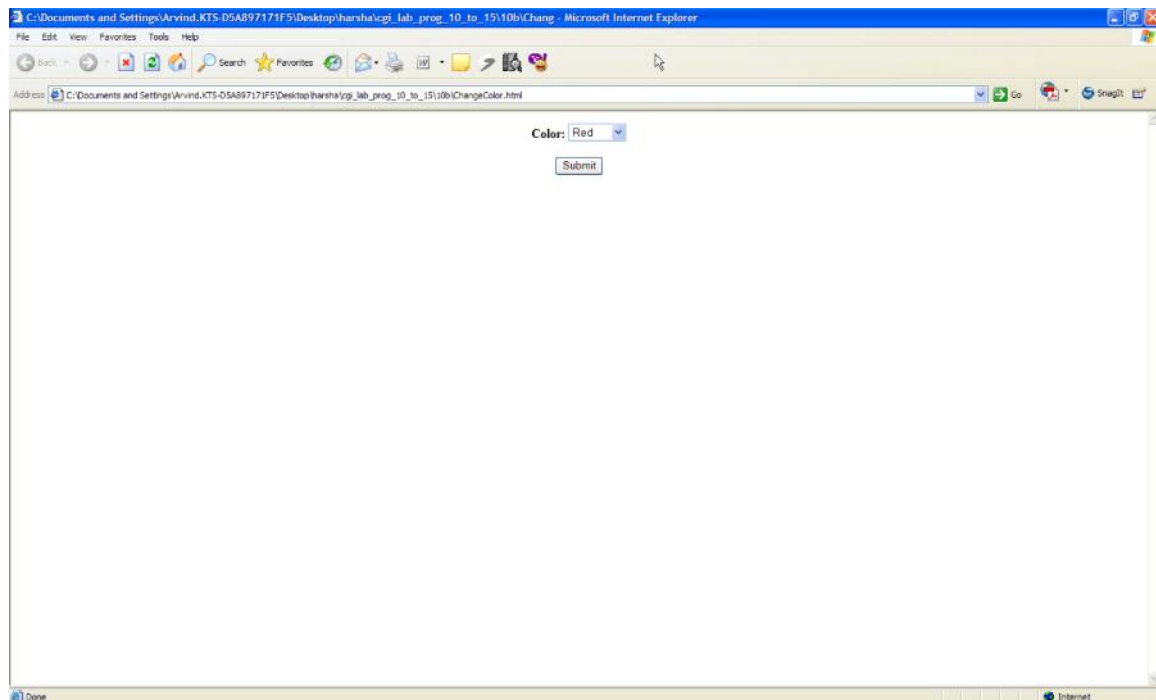
```



10B) PROGRAM TO CHANGE THE BACKGROUND COLOR OF THE PAGE BASED ON THE COLOR SELECTED BY THE USER

HTML FILE

```
<html>
<body>
<center>
  <form action="http://localhost:8080/servlet/ChangeColor" method=get>
    <b>Color:</b>
    <select name="color" size="1">
      <option value="Red">Red</option>
      <option value="Green">Green</option>
      <option value="Blue">Blue</option>
      <option value="White">White</option>
      <option value="Black">Black</option>
      <option value="Brown">Brown</option>
      <option value="Gray">Gray</option>
      <option value="Orange">Orange</option>
      <option value="Yellow">Yellow</option>
    </select> <br><br> <input type=submit value="Submit">
  </form></body>
</html>
```



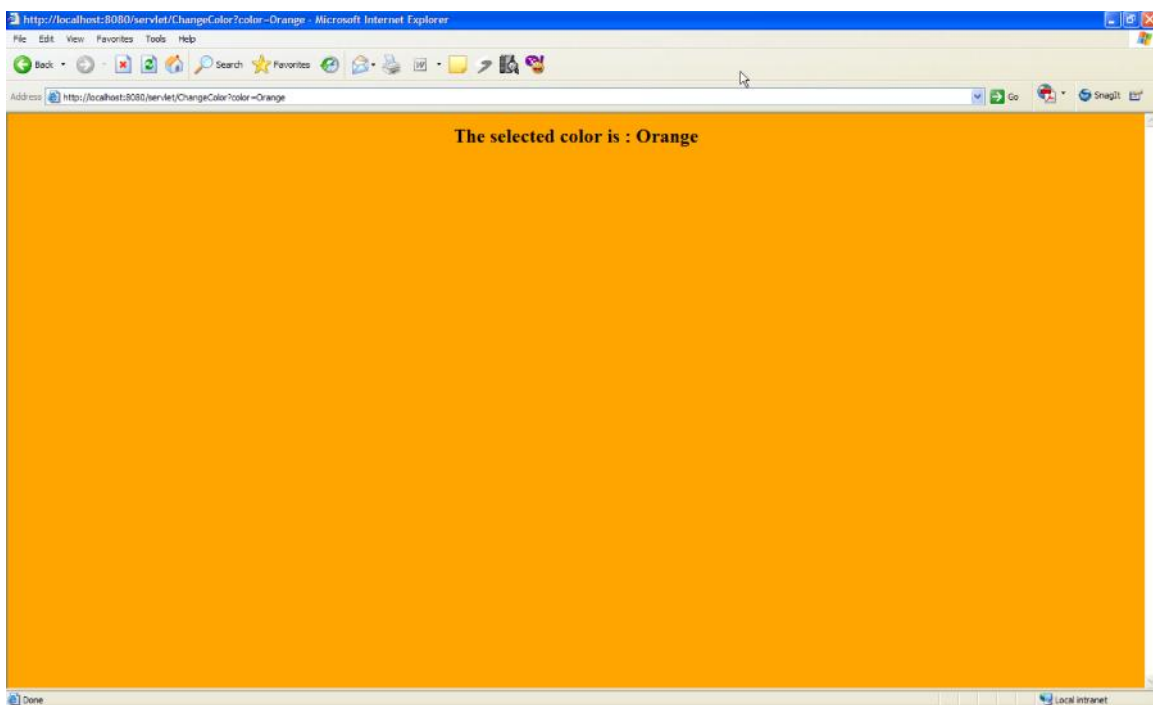
JAVA FILE


```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class ChangeColor extends HttpServlet
{
    public void doGet(HttpServletRequest req, HttpServletResponse res) throws
ServletException, IOException
    {
        String color = req.getParameter("color");
        PrintWriter pw = res.getWriter();
        res.setContentType("text/html");
        pw.println("<html>");
        pw.println("<body bgcolor=" + color + ">");
        pw.println("<center><h2>The selected color is :  ");
        pw.println(color + "</h2></center>");
        pw.println("</body></html>");
        pw.close();
    }
}

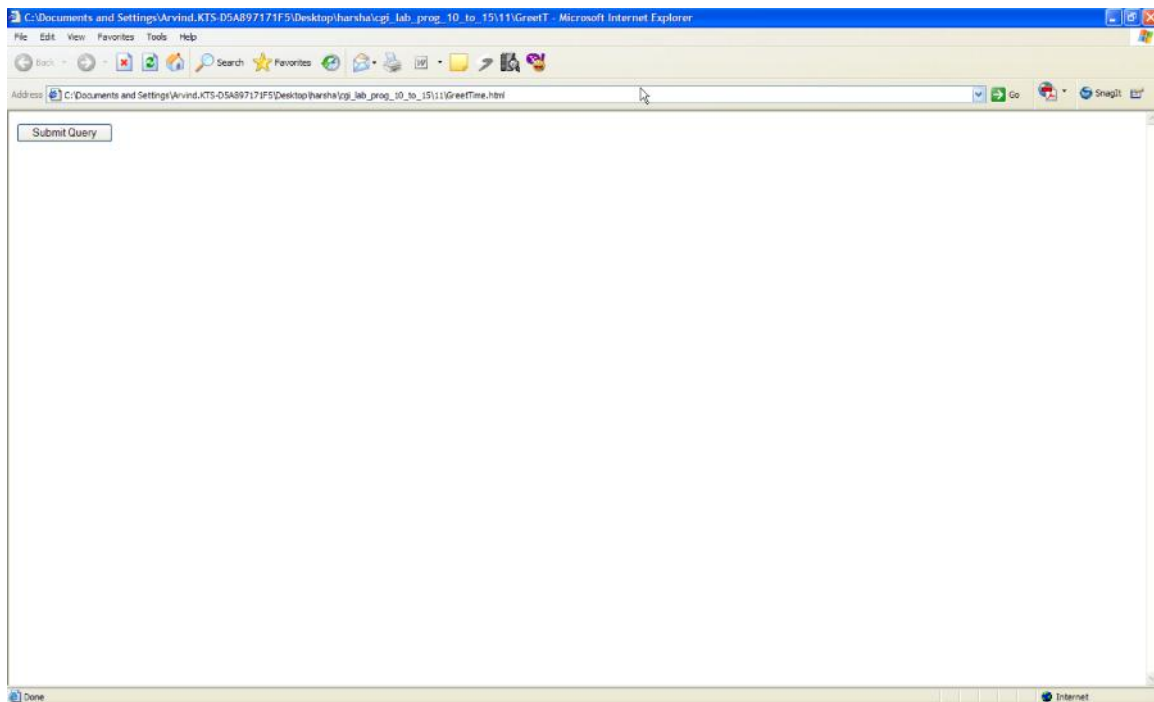
```



11) PROGRAM TO DISPLAY A GREETING BASED ON THE ACCESS TIME OF THE SERVER

HTML FILE

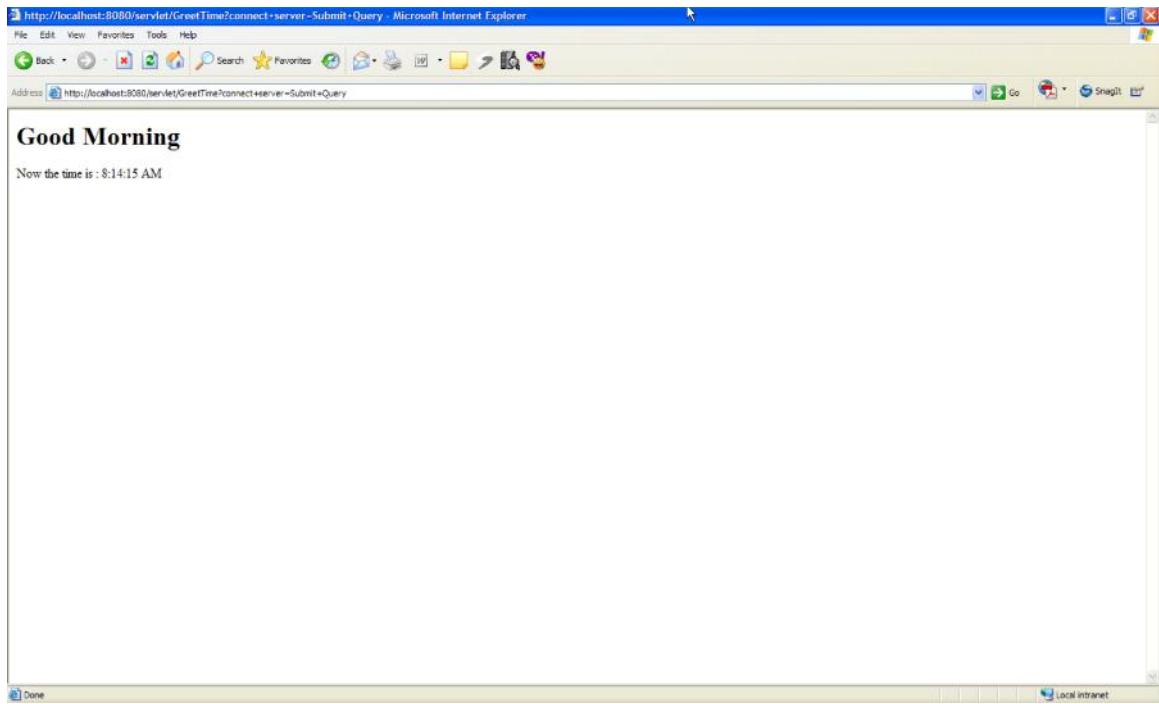
```
<html>
<body>
<form action="http://localhost:8080/servlet/GreetTime" method="get">
<input type="submit" name="connect server">
</body>
</html>
```



JAVA FILE

```
import java.io.*;
import java.util.Calendar;
import javax.servlet.*;
import javax.servlet.http.*;

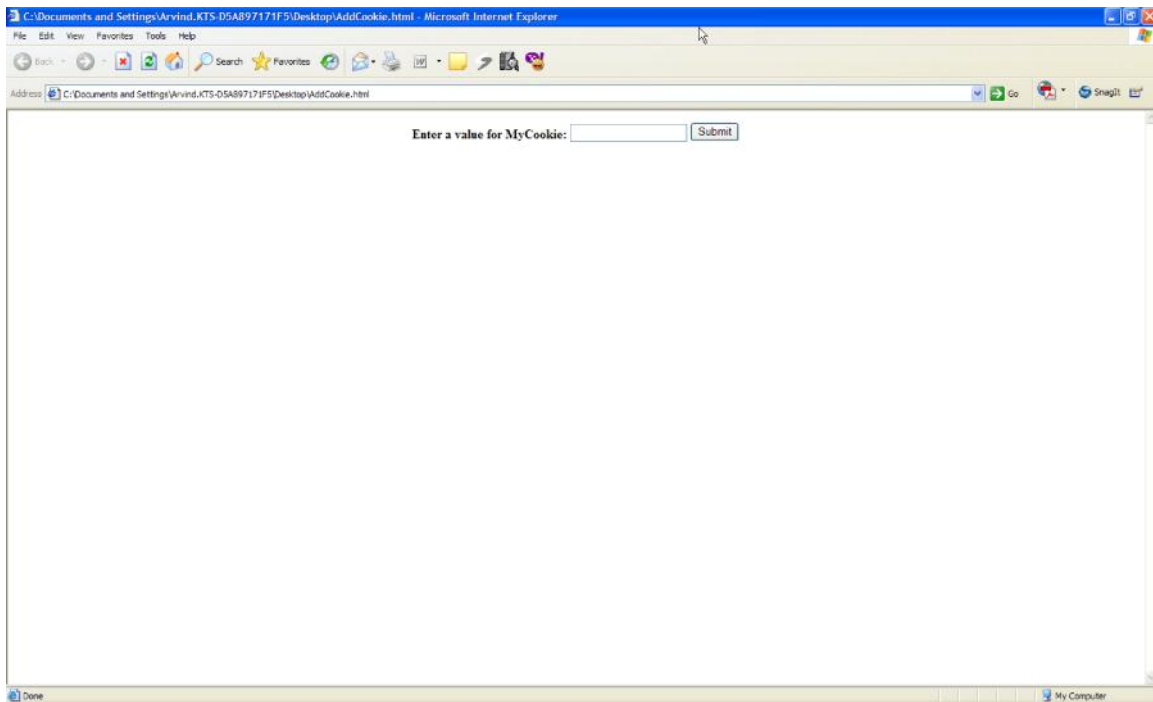
public class GreetTime extends HttpServlet
{
    public void doGet(HttpServletRequest req, HttpServletResponse res) throws
ServletException, IOException
    {
        int hour,minute,second;
        String ampm = new String("AM");
        PrintWriter pw = res.getWriter();
        res.setContentType("text/html");
        Calendar calendar = Calendar.getInstance();
        hour = calendar.get(calendar.HOUR);
        minute = calendar.get(calendar.MINUTE);
        second = calendar.get(calendar.SECOND);
        pw.println("<h1>");
        if(hour > 23 || hour <= 6)
            pw.println("You are Up Late");
        else if(hour > 6 && hour <= 12)
            pw.println("Good Morning");
        else if(hour > 12 && hour <= 18)
            pw.println("Good Afternoon");
        else
            pw.println("Good Evening");
        pw.println("</h1>");
        if(hour == 0)
            hour = 12;
        if(hour > 12)
        {
            hour -= 12;
            ampm = "PM";
        }
        pw.println("Now the time is : " + hour + ":" + minute + ":" + second + "  " +
ampm);
        pw.close();
    }
}
```



12) PROGRAM TO CREATE AND DISPLAY A COOKIE

HTML FILE

```
<html>
<body>
<center>
<form action = "http://localhost:8080/servlet/AddCookieServlet" method="post">
<b>Enter a value for MyCookie:</b>
<input type=textBox name="data">
<input type=submit value="Submit">
</form>
</body>
</html>
```

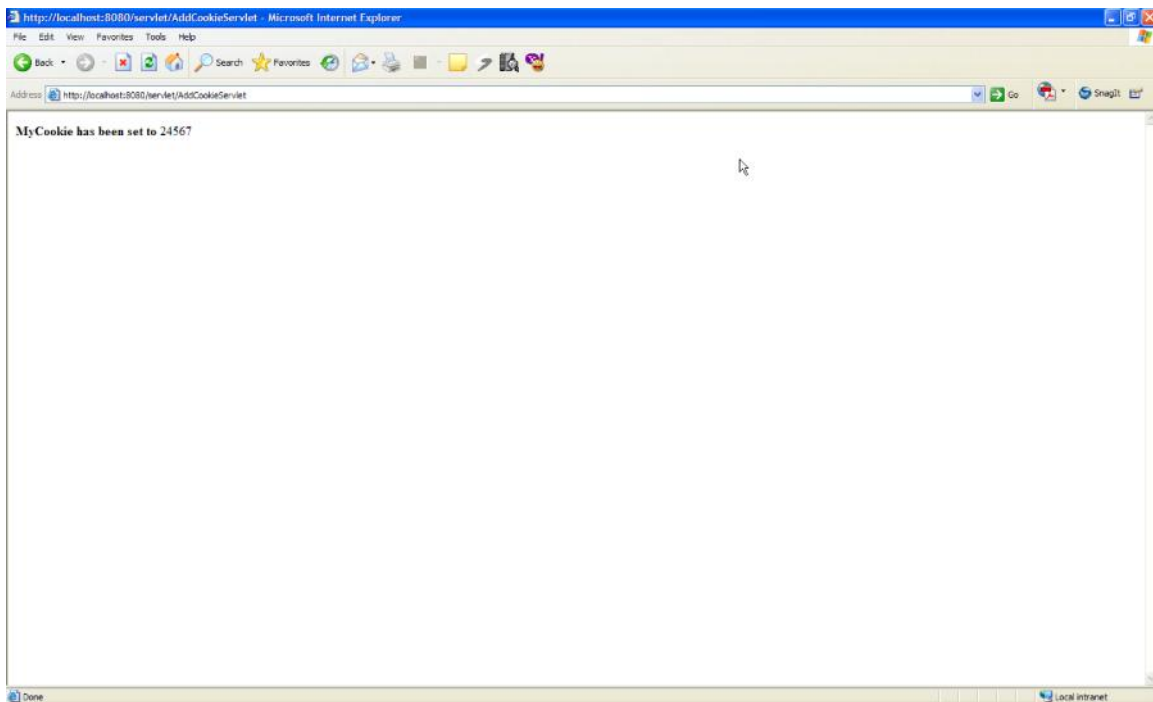


JAVA FILE

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class AddCookieServlet extends HttpServlet
{
    public void doPost(HttpServletRequest req, HttpServletResponse res) throws
ServletException, IOException
    {
        String data = req.getParameter("data");
        Cookie cookie = new Cookie("MyCookie",data);
        res.addCookie(cookie);
        PrintWriter pw = res.getWriter();
        res.setContentType("text/html");

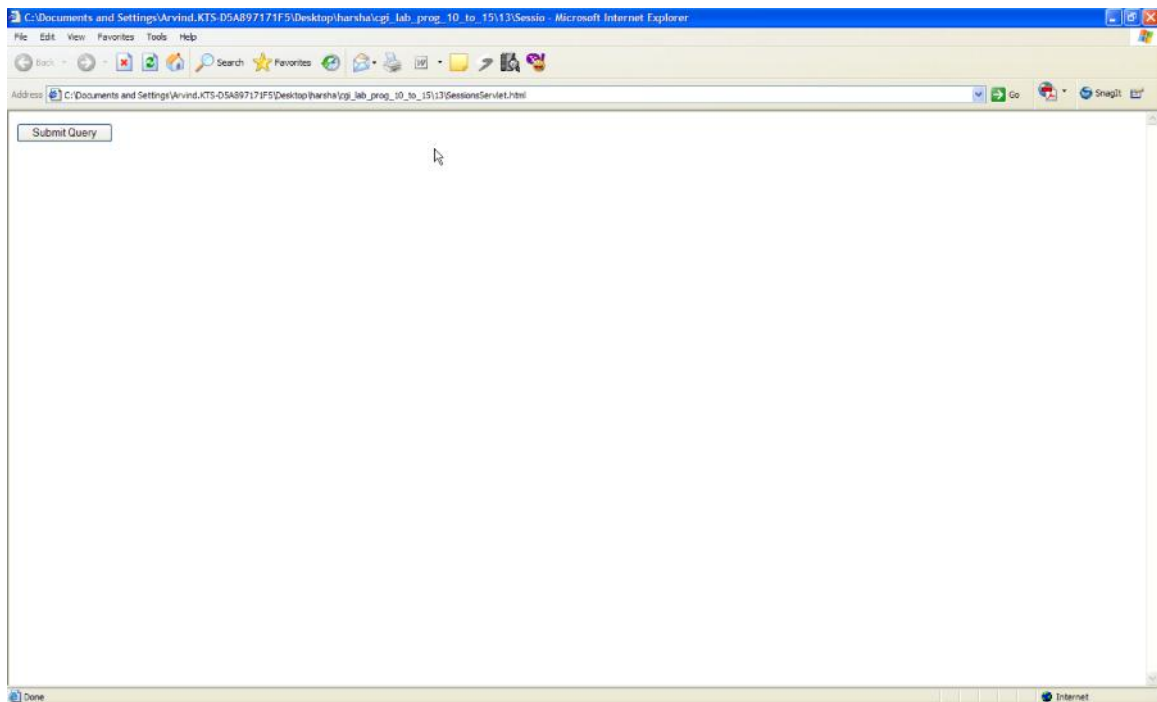
        pw.println("<b>MyCookie has been set to </b>");
        pw.println(data);
        pw.close();
    }
}
```



13) PROGRAM TO CREATE A SESSION AND DISPLAY SESSION INFORMATION VIZ SESSION ID CREATION TIME AND LAST ACCESSED

HTML FILE

```
<html>
<body>
<form action="http://localhost:8080/servlet/SessionsServlet" method="get">
<input type="submit" name="connect server">
<body>
<html>
```

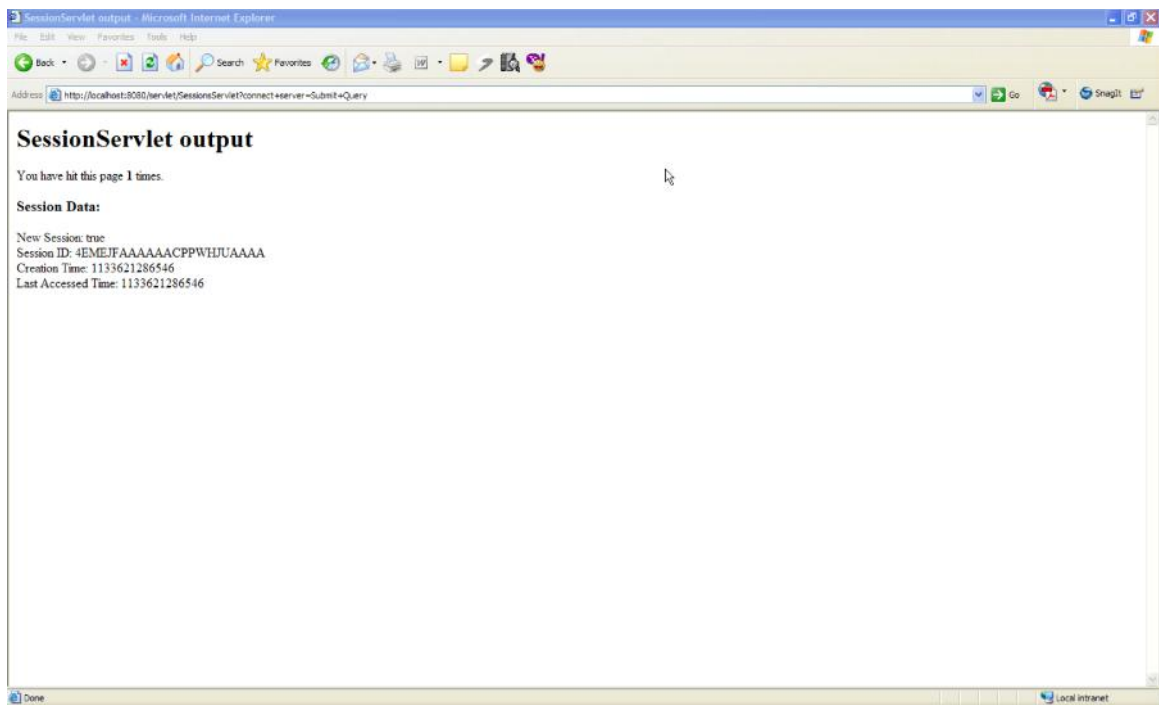


JAVA FILE

```
import java.io.*;
import java.util.Enumeration;
import javax.servlet.*;
import javax.servlet.http.*;

public class SessionsServlet extends HttpServlet {

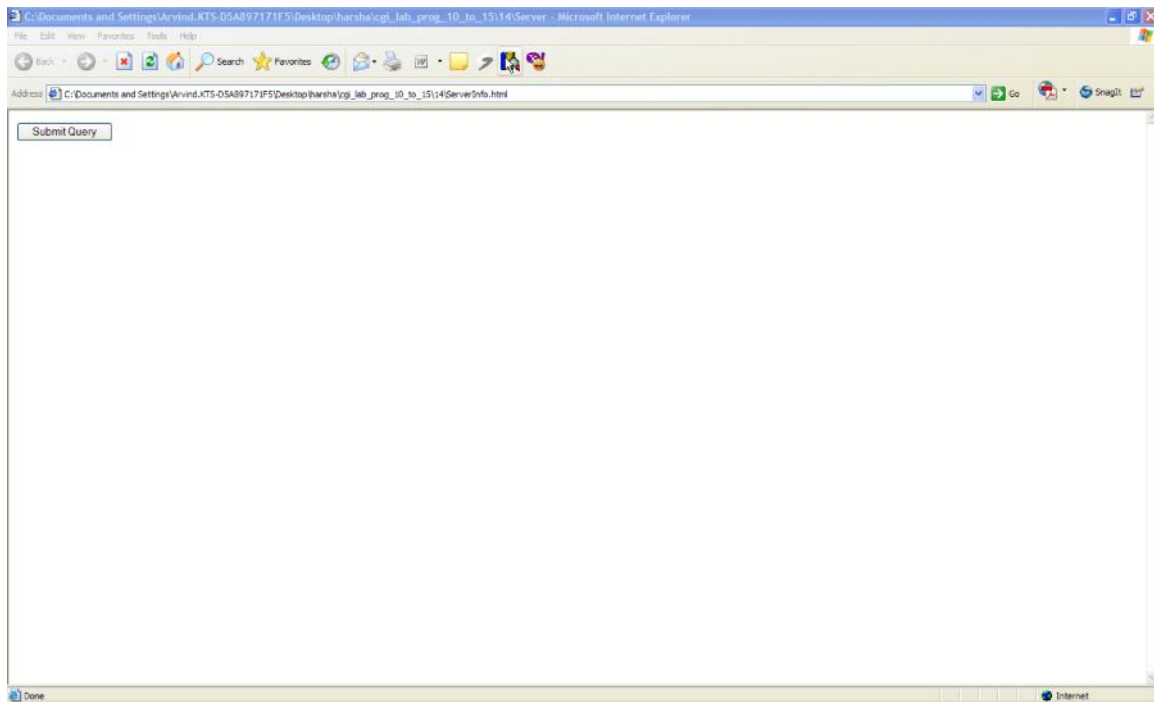
    public void doGet (HttpServletRequest req, HttpServletResponse res)
        throws ServletException, IOException
    {
        HttpSession session = req.getSession(true);
        res.setContentType("text/html");
        PrintWriter pw = res.getWriter();
        pw.println("<HEAD><TITLE>      " + "SessionServlet  output  " +
"</TITLE></HEAD><BODY>");
        pw.println("<h1> SessionServlet output </h1>");
        Integer ival = (Integer) session.getValue("sessiontest.counter");
        if (ival==null) ival = new Integer(1);
            else ival = new Integer(ival.intValue() + 1);
        session.putValue("sessiontest.counter", ival);
        pw.println("You have hit this page <b>" + ival + "</b> times.<p>");
        pw.println("<p>");
        pw.println("<h3>Session Data:</h3>");
        pw.println("New Session: " + session.isNew());
        pw.println("<br>Session ID: " + session.getId());
        pw.println("<br>Creation Time: " + session.getCreationTime());
        pw.println("<br>Last Accessed Time: " + session.getLastAccessedTime());
        pw.println("</BODY>");
        pw.close();
    }
}
```



14) PROGRAM TO REQUEST SERVER INFORMATION VIZ REQUEST METHOD,URL,PROTOCOL AND REMOTE ADDRESS

HTML FILE

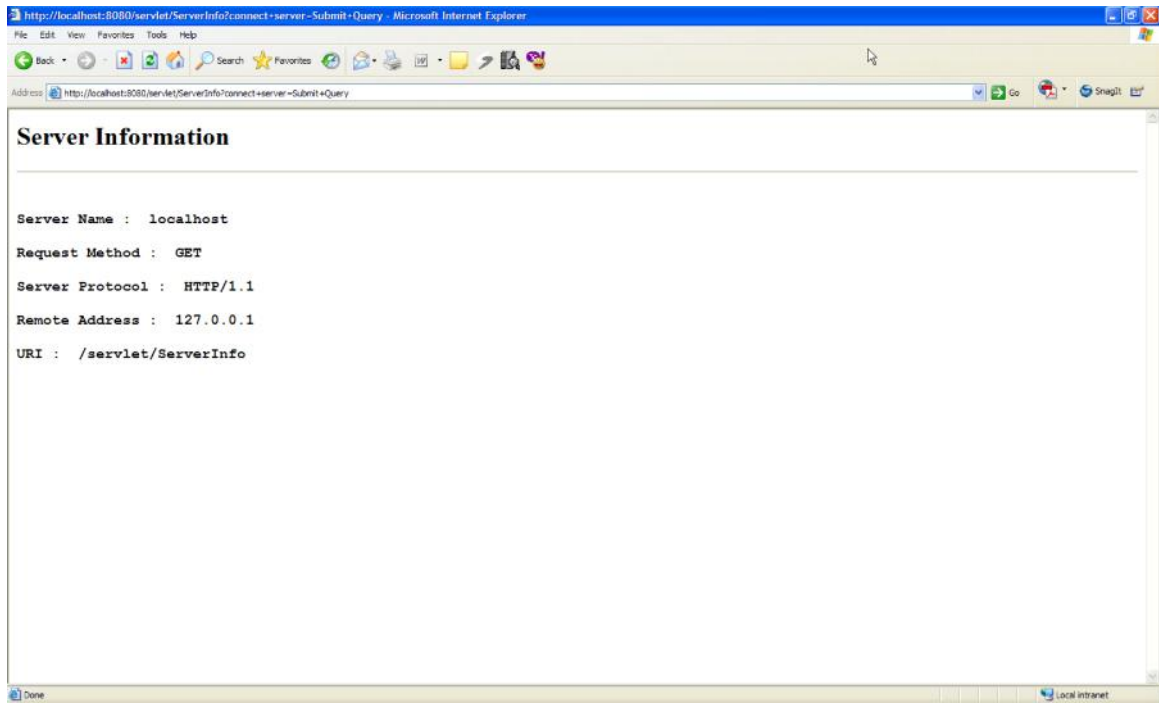
```
<html>
<body>
<form action="http://localhost:8080/servlet/ServerInfo" method="get">
<input type="submit" name="connect server">
</body>
</html>
```



JAVA FILE

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class ServerInfo extends HttpServlet
{
    public void doGet(HttpServletRequest req, HttpServletResponse res) throws
ServletException, IOException
    {
        String method = req.getMethod();
        String uri = req.getRequestURI();
        String protocol = req.getProtocol();
        String remoteuser = req.getRemoteUser();
        String remoteaddr = req.getRemoteAddr();
        String servername = req.getServerName();
        PrintWriter pw = res.getWriter();
        res.setContentType("text/html");
        pw.println("<h1>Server Information</h1>");
        pw.println("<hr><pre><h3>");
        pw.println("Server Name : " + servername + "<br>");
        pw.println("Request Method : " + method + "<br>");
        pw.println("Server Protocol : " + protocol + "<br>");
        pw.println("Remote Address : " + remoteaddr + "<br>");
        pw.println("URI : " + uri + "<br>");
        pw.println("</h3></pre>");
        pw.close();
    }
}
```



15) PROGRAM TO ACCEPT USERNAME AND ADDRESS AND DISPLAY THEM IN A WEB PAGE BY PASSING PARAMETERS

HTML FILE

```
<html>
<body>
  <form action="http://localhost:8080/servlet/PassParameter" method=get>
<center>
<h1>
Personal Details
</h1></center>
<hr>
  <table>

    <tr>
      <td><b>Name: </b></td>
      <td><input type=textbox name="user"></td>
    </tr>
    <tr>
      <td><b>Address : </b></td>
    </tr>
    <tr>
      <td><b>Street: </b></td>
      <td><input type=textbox name="street"></td>
    </tr>
    <tr>
      <td><b>City: </b></td>
      <td><input type=textbox name="city"></td>
    </tr>
    <tr>
      <td><b>State: </b></td>
      <td><input type=textbox name="state"></td>
    </tr>
    <tr>
      <td><b>Phone: </b></td>
      <td><input type=textbox name="phone"></td>
    </tr>

  </table>
  <input type=submit value="Submit">
</form>
</body>
</html>
```

C:\Documents and Settings\Arvind.KTS-D5A89717F5\Desktop\harsha\cgi_lab_prog_10_to_15\15\PassPa - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites

Address C:\Documents and Settings\Arvind.KTS-D5A89717F5\Desktop\harsha\cgi_lab_prog_10_to_15\15\PassParameter.html

Go SnagIt

Personal Details

Name:

Address :

Street:

City:

State:

Phone:

Done Internet

JAVA FILE

```
import java.io.*;
import java.util.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class PassParameter extends HttpServlet
{
    public void doGet(HttpServletRequest req, HttpServletResponse res) throws
ServletException, IOException
    {
        PrintWriter pw = res.getWriter();
        res.setContentType("text/html");
        Enumeration e = req.getParameterNames();
        pw.println("<h1>Personal Details</h1>");
        pw.print("<hr><pre>");
        while(e.hasMoreElements())
        {
            String pname = (String) e.nextElement();
            pw.print(pname + " = ");
            String pvalue = req.getParameter(pname);
            pw.println(pvalue + "<br>");
        }
        pw.print("</pre>");
        pw.close();
    }
}
```