7) AIM: write an XML file which will display the book information which include the following:

1 Title of the book

2 Author name

3 publisher name

4 edition

5 price

Write a Document Type Definition (DTD) to validate the above XML file.

PROGRAM:

.HTML File:

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
<xsl:template match="/">
<html>
<head>
<title>XML-14K15A0501</title>
</head>
<body>
<table border="2">
<tr>
<th alighn="center">Bookname</th>
<th alighn="center">Author</th>
<th alighn="center">Publisher</th>
<th alighn="center">Edition</th>
<th alighn="center">Price</th>
</tr>
<xsl:for-each select="library_details/library">
```

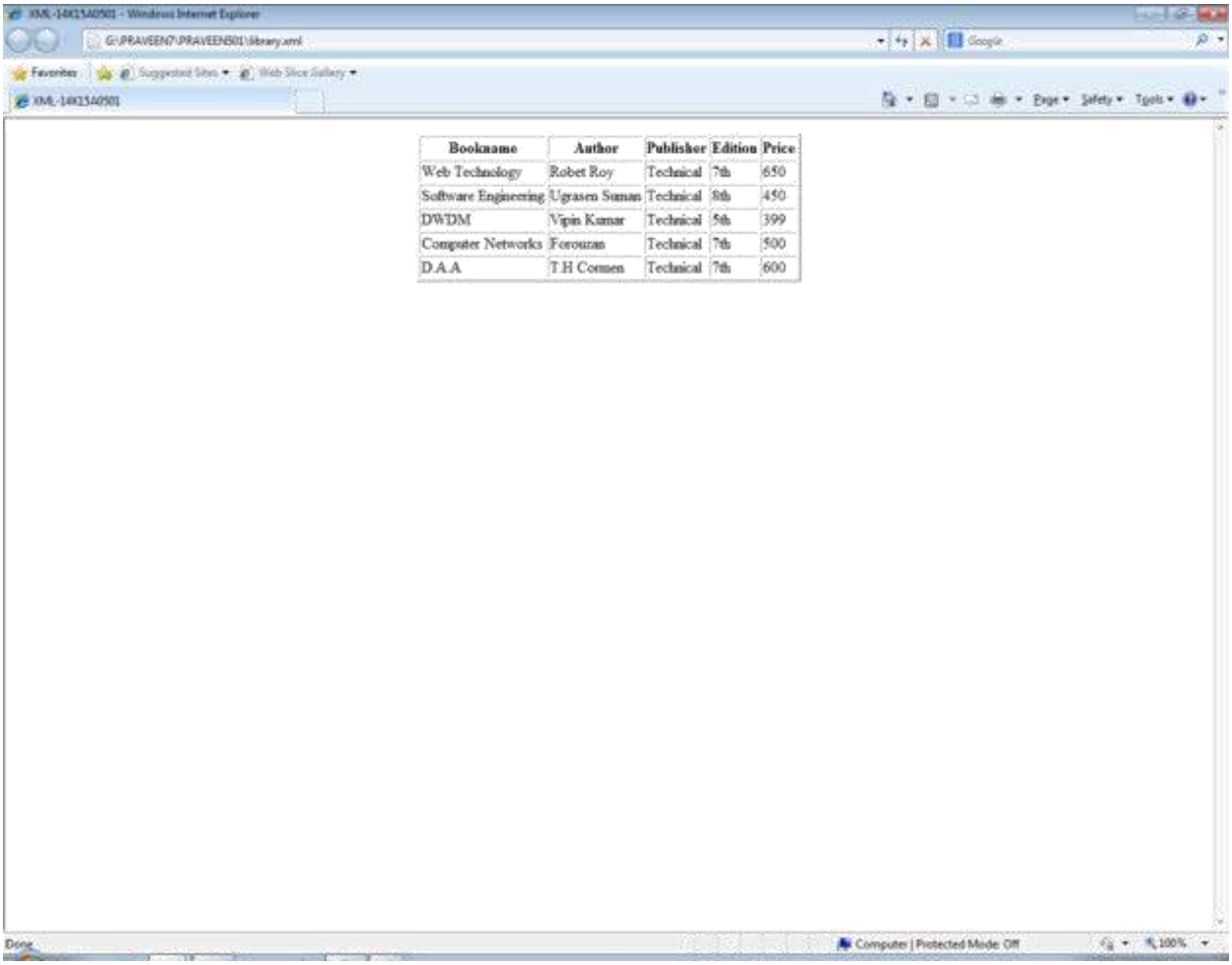
```
<tr>
<td><xsl:value-of select="Bookname"/></td>
<td><xsl:value-of select="Author"/></td>
<td><xsl:value-of select="Publisher"/></td>
<td><xsl:value-of select="Edition"/></td>
<td><xsl:value-of select="Price"/></td>
</xsl:for-each>
</table>
</body>
</html>
</xsl:template>
</xsl:stylesheet>
```

.XML File:

```
<?xml version="1.0" encoding="UTF-8"?> <?xml-
stylesheet type="text/xsl" href="example.xsl"?>
<library_details>
  <library>
      <Bookname>Web Technology</Bookname>
     <Author>Robet Roy</Author>
     <Publisher>Technical</Publisher>
     <Edition>7th</Edition>
     <Price>650</Price>
 </library>
<library>
      <Bookname>Software Engineering</Bookname>
     <Author>Ugrasen Suman</Author>
     <Publisher>Technical</Publisher>
```

```
    <Edition>8th</Edition>
    <Price>450</Price>
  </library>
<library>
     <Bookname>DWDM</Bookname>
    <Author>Vipin Kumar</Author>
    <Publisher>Technical</Publisher>
    <Edition>5th</Edition>
    <Price>399</Price>
  </library>
<library>
     <Bookname>Computer Networks</Bookname>
    <Author>Forouzan</Author>
    <Publisher>Technical</Publisher>
    <Edition>7th</Edition>
    <Price>500</Price>
  </library>
<library>
     <Bookname>D.A.A</Bookname>
    <Author>T.H Cormen</Author>
    <Publisher>Technical</Publisher>
    <Edition>7th</Edition>
    <Price>600</Price>
  </library>
</library_details>
```

OUTPUT:



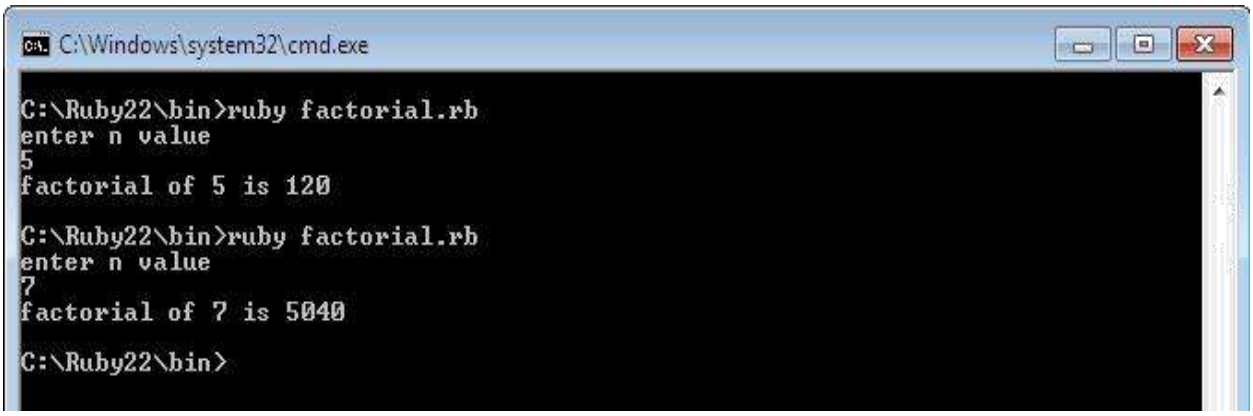
Bookname	Author	Publisher	Edition	Price
Web Technology	Robet Roy	Technical	7th	650
Software Engineering	Ugrasen Suman	Technical	8th	450
DWDM	Vipin Kumar	Technical	5th	399
Computer Networks	Forouzan	Technical	7th	500
D.A.A	T.H Cormen	Technical	7th	600

8) AIM: Write a Ruby program reads a number and calculates the factorial value of it and prints the same.

PROGRAM:

```
puts "enter n value";

n=gets.to_i;

    class A

      def fact(n)

        f=1

          for i in 1..n

            f=f*i;

          end

        return f

       end

    end

ob=A.new

r=ob.fact n

puts "factorial of #{n} is #{r}";
```

OUTPUT:



9) AIM: Write a Ruby program which counts number of line in a text file using its regular expression facility.

PROGRAM:

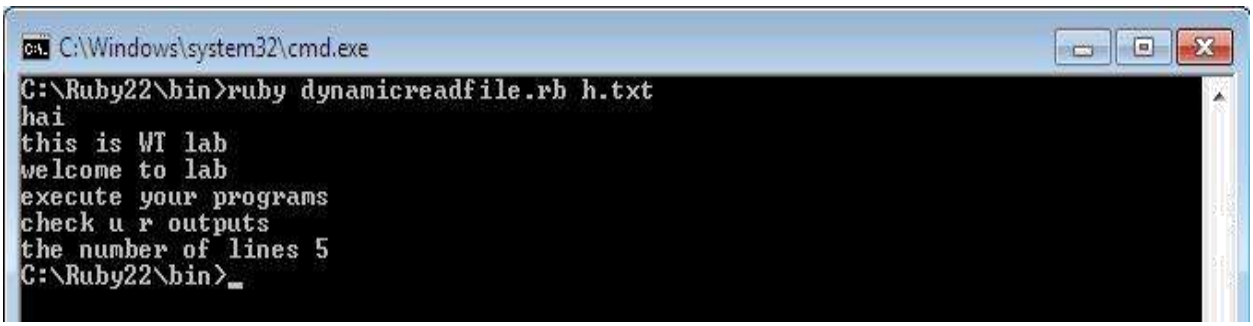
DYNAMIC READING FILE:

```
i=0;
  while line=gets
    puts line
   i =i+1;
  end
   print "the number of lines #{i}"
```

TEXT FILE:H.TXT:

```
File.open("h.txt") do |a1|
 a1=IO.readlines("h.txt")
 c=0;
   for i in 0..a1.length
     puts"#{a1[i]}"
     c+=1;
 end
   puts"th no.of lines in a file#{c}";
end
```

OUTPUT:

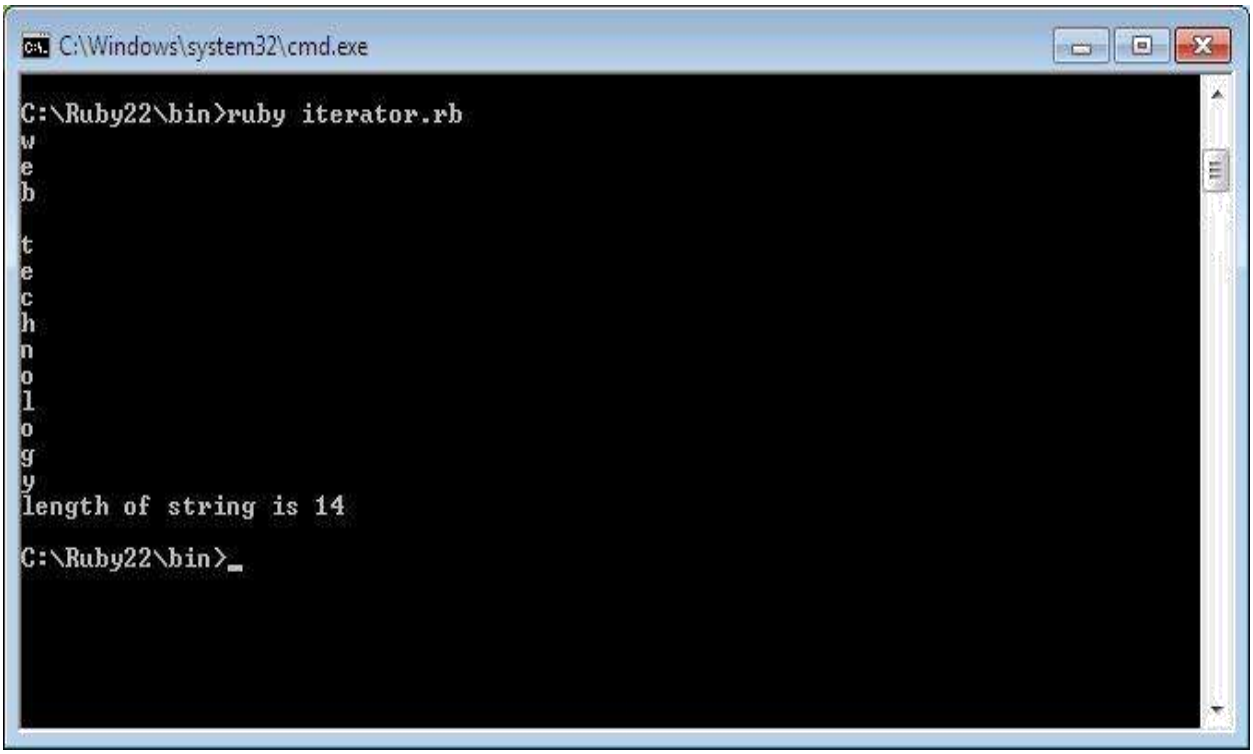


10) AIM: Write a Ruby program that uses iterator to find out the length of a string.

PROGRAM:

```
str="web technology"
  len=0
    str.each_char do |ch|
    puts ch
  len+=1;
end
  puts "length of string is #{len}"
```

OUTPUT:



11) a) AIM: Write simple Ruby program that uses arrays in Ruby .

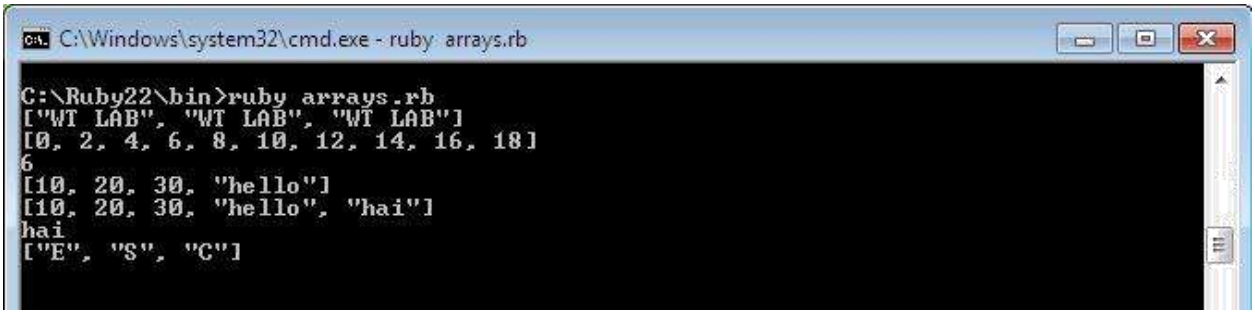
PROGRAM:

```
class Array
    def use
      array1=Array.new(3,"WT LAB")
      puts"#{array1}";
      array2=Array.new(10){|e|e=e*2}
      puts"#{array2}"
      num=array2.at(3)
      puts"#{num}"
      array3=Array[10,20,30,"hello"]
     puts"#{array3}"
     array3.push("hai")
     puts"#{array3}"
     a2=array3.pop(array3.at(2))
     puts "#{a2}"
     array=Array['u','n','e','r']
    a=array.reverse
    puts "#{a}"
    array5=Array.new(5)
    for i in 0..array5.length
    array5[i]=gets
end
  puts array5
end
end
```

ob=Array.new

ob.use

OUTPUT:



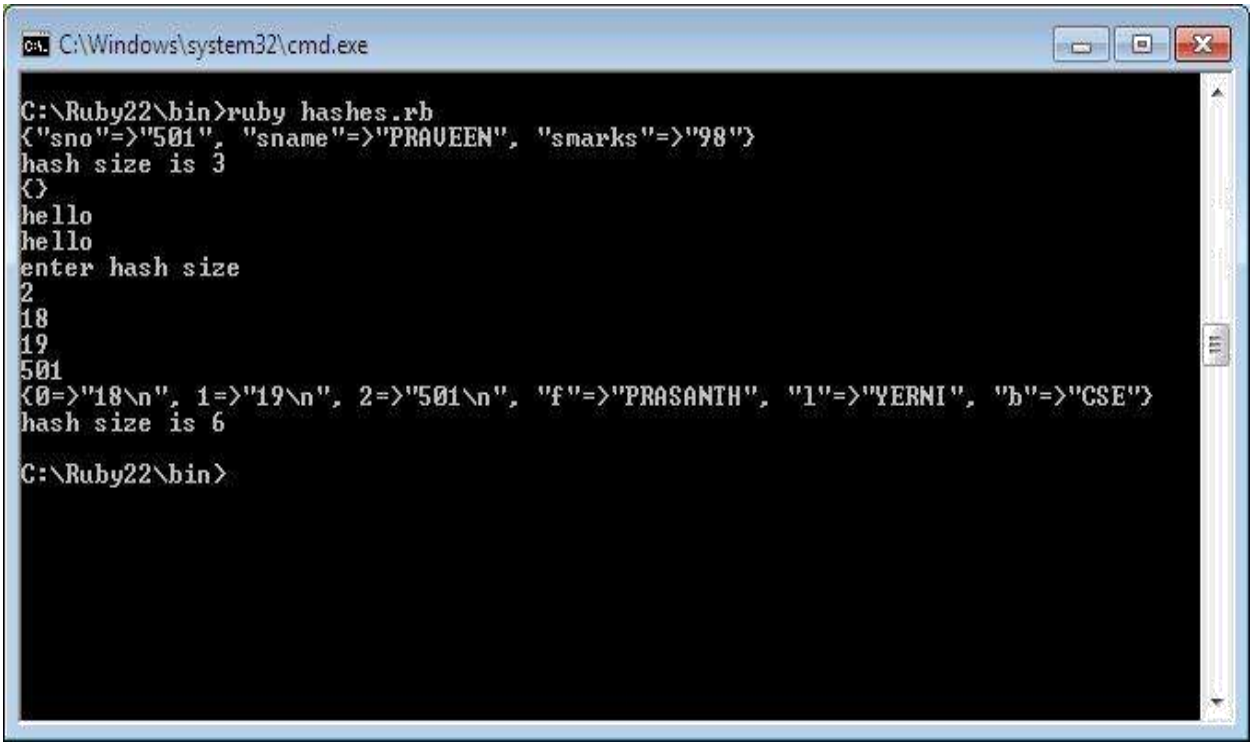
b) AIM: Write programs which uses associative arrays (HASHES) concept of Ruby.

PROGRAM:

```
 h1=Hash.new
 h1['sno']='501'
h1['sname']='PRAVEEN'
h1['smarks']='98'
 puts h1
   s=h1.size
 puts "hash size is #{s}"
#second way to create hashes
h2=Hash.new("hello")
   puts h2
   puts h2[100]
   puts "#{h2[2]}"
#dynamically reading hashes
 dh=Hash.new
 puts "enter hash size"
 n=gets.to_i
 for i in 0..n
  dh[i]=gets
end
#override the hash value
 class Create
   def display dh
     hd=dh
 hd['f']='PRASANTH'
 hd['l']='YERNI'
```

```
    hd['b']='CSE'
    puts "#{hd}"
    s1=hd.size
    puts "hash size is #{s1}"
  end
end
ob=Create.new
ob.display dh
```

OUTPUT:

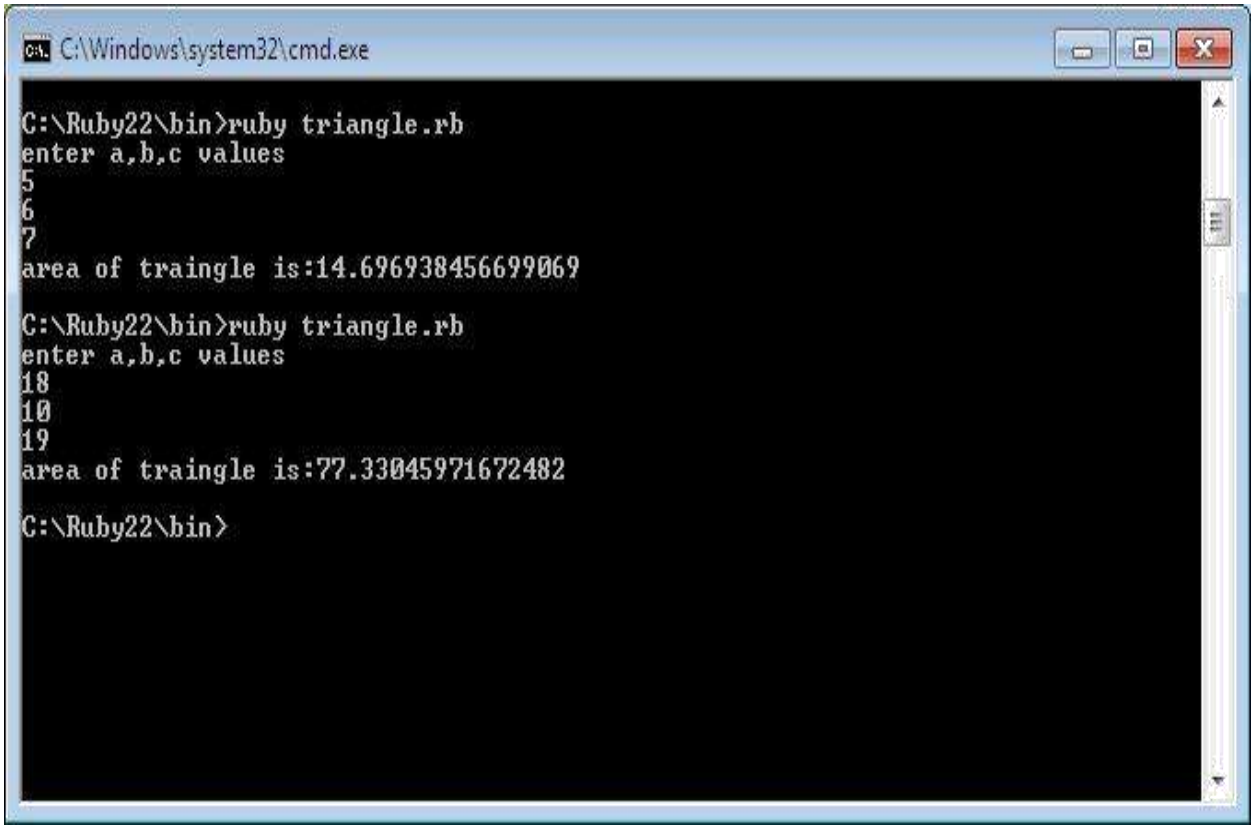


12) AIM: Write ruby program which uses Math module to find area of a triangle.

PROGRAM:

```
puts "enter a,b,c values"
   a=gets.to_i
   b=gets.to_i
   c=gets.to_i
     class Traingle
      def initialize x,y,z
        @a=x
        @b=y
        @c=z
      end
      def area
        s=(@a+@b+@c)/2
        tarea=s*(s-@a)*(s-@b)*(s-@c)

if(s==@a||s==@b||s==@c)
            puts "area of traingle is zero"
          elsif(tarea<=0)
            puts"area is a _ve value"
          else
          rec=Math.sqrt(tarea)
          puts "area of traingle is:#{rec}"
         end
      end
   end
      ob=Traingle.new(a,b,c)
      ob.area
```

OUTPUT:


C:\Windows\system32\cmd.exe
C:\Ruby22\bin>ruby triangle.rb
enter a,b,c values
5
6
7
area of traingle is:14.696938456699069
C:\Ruby22\bin>ruby triangle.rb
enter a,b,c values
18
10
19
area of traingle is:77.33045971672482
C:\Ruby22\bin>

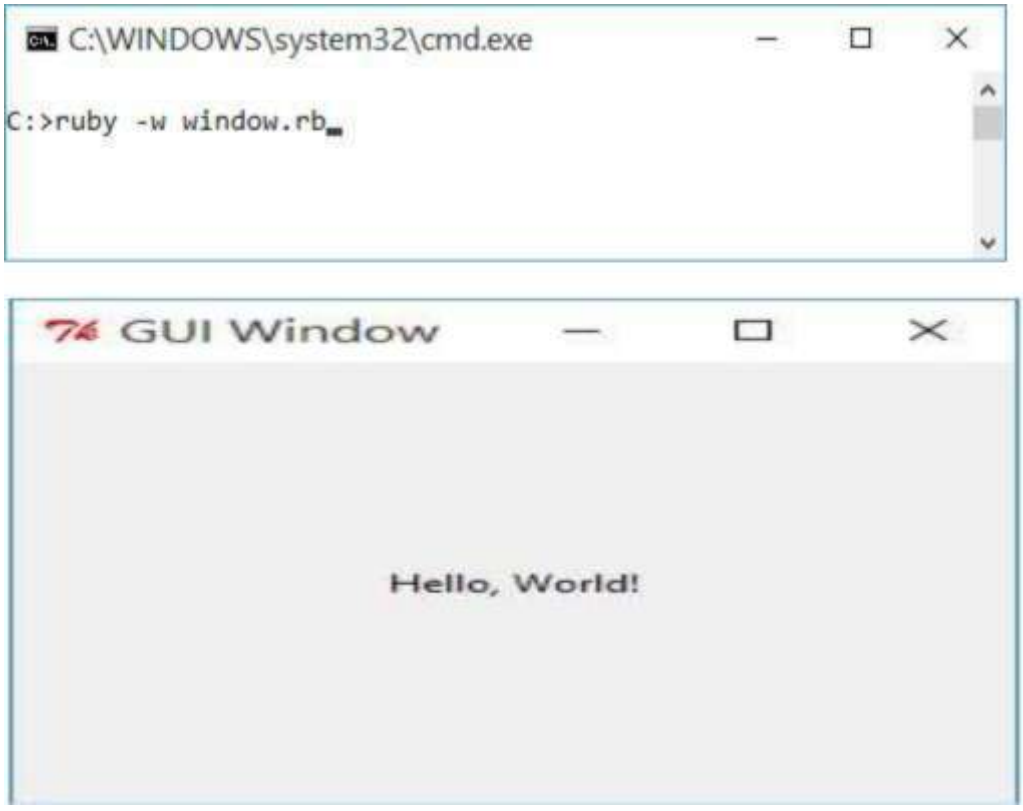
13) **AIM:** Write Ruby program which uses tk module to display a window.

PROGRAM:

window.rb

```
require 'tk'
root = TkRoot.new{ title "GUI
Window" }
TkLabel.new(root) dotext
'Hello, World!'
  pack("side" => "right", "padx"=>
"100", "pady"=> "100") end
Tk.mainloop
```

OUTPUT:



14) AIM: Define complex class in Ruby and do write methods to carry operations on complex objects.

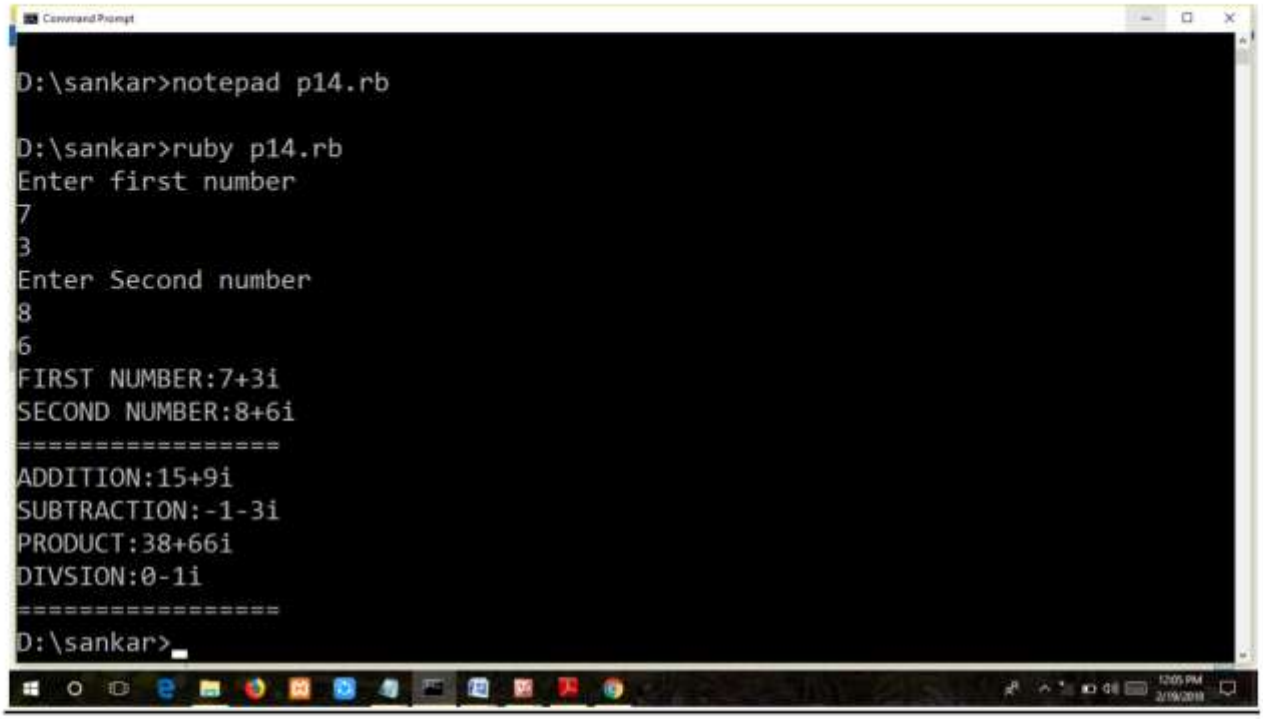
Program:

```
class Cmplx

attr_accessor :real, :imag

def read

@real=gets.to_i

@imag=gets.to_i

end

def add(other)

ob = Cmplx.new

ob.real = @real+other.real;

ob.imag = @imag+other.imag;

return ob

end

def subtract(other)

ob = Cmplx.new;

ob.real = @real-other.real;

ob.imag = @imag-other.imag;

return ob;

end

def multiply(other)

ob = Cmplx.new

ob.real = (@real * other.real)-(imag*other.imag);

ob.imag = (@real * other.imag)+(imag*other.real);

return ob;

end

def divide(other)
```

```
t = Cmplx.new;
ob = Cmplx.new;
t.imag = -other.imag;
r =(other.real).abs; i
=(other.imag).abs; d
=(r*r)+(i*i);
ob.real = (((@real * other.real)-(imag*t.imag))/d;
ob.imag = (((@real *
t.imag)+(imag*other.real))/d; return ob;
end
def disp
if @imag<0
puts
"#{@real}#{@imag}i" else
puts
"#{@real}+#{@imag}i" end
end
end
t1 = Cmplx.new
t2 = Cmplx.new
t3 = Cmplx.new
t4 = Cmplx.new
t5 = Cmplx.new
t6 = Cmplx.new
puts "Enter first number"
t1.read
puts "Enter Second number"
t2.read
```

```
print "FIRST NUMBER:"
t1.disp
print "SECOND NUMBER:"
t2.disp
print "=================\n";
print "ADDITION:"
t3 = t1.add(t2)
t3.disp
print "SUBTRACTION:"
t4 = t1.subtract(t2)
t4.disp
print "PRODUCT:"
t5 = t1.multiply(t2)
t5.disp
print "DIVSION:"
t6 = t1.divide(t2)
t6.disp
print "=================";
```

Output:

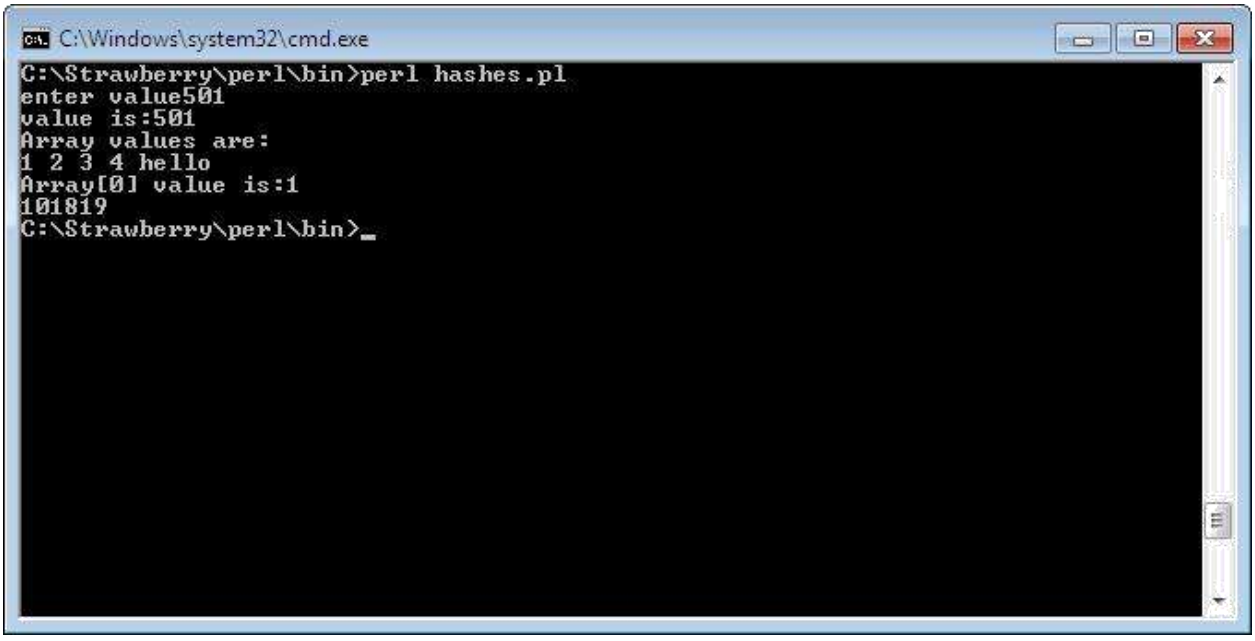

Command Prompt
D:\sankar>notepad p14.rb
D:\sankar>ruby p14.rb
Enter first number
7
3
Enter Second number
8
6
FIRST NUMBER:7+3i
SECOND NUMBER:8+6i
==========
ADDITION:15+9i
SUBTRACTION:-1-3i
PRODUCT:38+66i
DIVSION:0-1i
==========
D:\sankar>

15) a)AIM: Write a program which illustrates the use of associative arrays (HASHES) in Perl.

PROGRAM:

```
print "enter value";
$s=<>;
print "value is:$s";
@arr=(1,2,3,4,"hello");
print "Array values are:\n@arr\n";
print "Array[0] value is:$arr[0]\n";
%pr=(10 ,18 ,19);
print %pr;
```

OUTPUT:



15) b) AIM: Write a program which illustrates the use of arrays in Perl.

PROGRAM:

```
@name=("PRAVEEN","PRASANTH","YERNI");
print "@name"."\n";
 push(@name,"PRAV");
print "@name\n";
 pop(@name);
print "@name\n";
 shift(@name);
print "@name\n";
 unshift(@name,"PRAVEEN ROY");
print "@name\n";
 $s=scalar@name;
print "the length is $s\n";
$max_index=$#name;
print "$max_index";
```

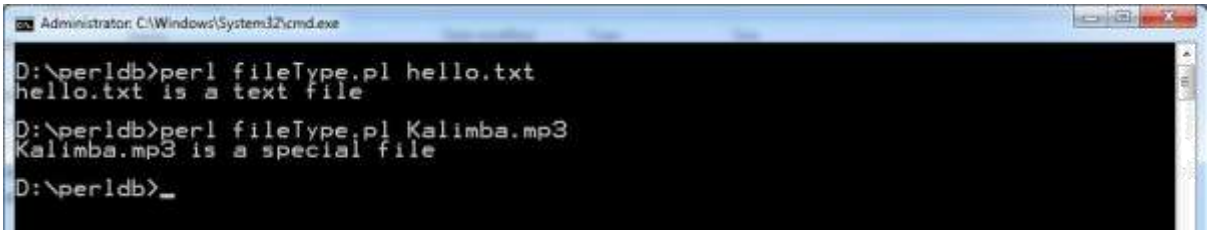
OUTPUT:

16) AIM:Write perl program takes a set names along the command line and prints whether they are regular files or special files

Program:

```
$len = @ARGV;
for ($i=0;$i<$len;$i++)
{
 if(-e $ARGV[$i])
 {
 if(-T $ARGV[$i])
 {
 print "$ARGV[$i] is a text file\n";
 }
 else
 {
 print "$ARGV[$i] is a special file\n";
 }
 }
 else
 {
 print "$ARGV[$i] does not exists";
 }
}
```

OUTPUT:

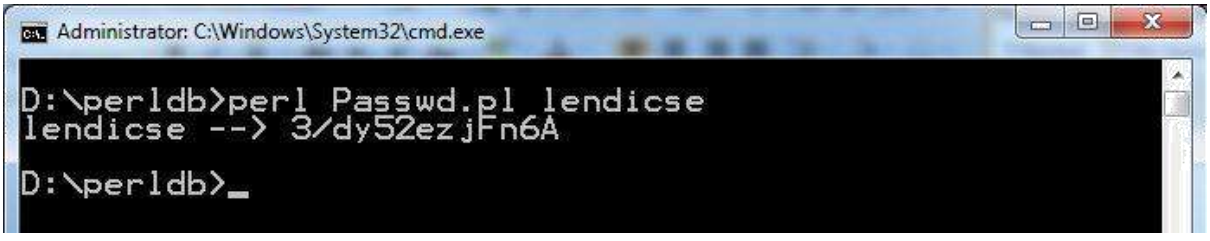


17) Aim: Write a perl program to implement UNIX `passwd'

program Program:

```
my $salt='';
my $encrypted='';
my $password='';
my $use = 'Usage: Please provide password for encrypt';
my @saltchars=('.', '/', 0..9, 'A'..'Z', 'a'..'z'); my
$args=@ARGV;
if ( $args < 1 || $args > 2 )
{
print "$use\n";
exit;
}
$password=$ARGV[0];
if( $args == 1 )
{
$salt = join('',@saltchars[rand(64),rand(64)]);
}
else
{
$salt=$ARGV[1];
}
$encrypted=crypt($password,$salt);
print "$password --> $encrypted\n";
```

Output:



20)

a) AIM: Write a program to create a cookie and add these four user id's and passwords to this cookie.

PROGRAM :

REGISTRATION.HTML

```
<html>
<head>
</head>
<body>
<form name="f" method="GET" action="registration.php">
<pre>
user name:<input type="text" name="un" />
pass word:<input type="password" name="pwd"/>
Email id:<input type="text" name="eid"/> phone
no:<input type="text" name="no"/>
Gender:<input type="radio" name="gen" value="male">male<input
type="radio" name="gen" value="female">female
</input>
Date:<select name="date">
<option value="1">1</option>
<option value="2">2</option>
<option value="3">3</option>
</select>
Month:<select name="month">
<option value="1">1</option>
<option value="2">2</option>
<option value="3">3</option>
</select>
```

Year:<select name="year">

<option value="1998">1998</option>

<option value="1999">1999</option>

<option value="2000">2000</option>

</select>

LanguagesKnown:<input type="checkbox" name="lang[]"
value="English">English<input type="checkbox" name="lang[]"
value="Telugu">Telugu<input type="checkbox" name="lang[]" value="Hindi">Hindi

</input>

<input type="submit" value="submit"/>

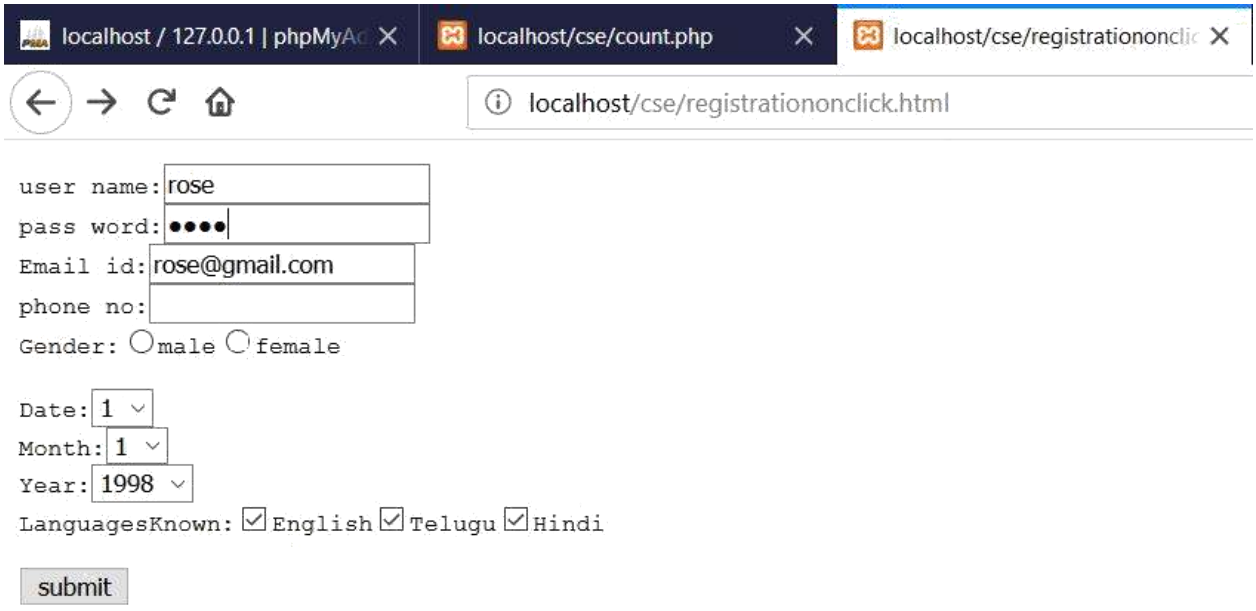
</pre>

</form>

</body>

</html>

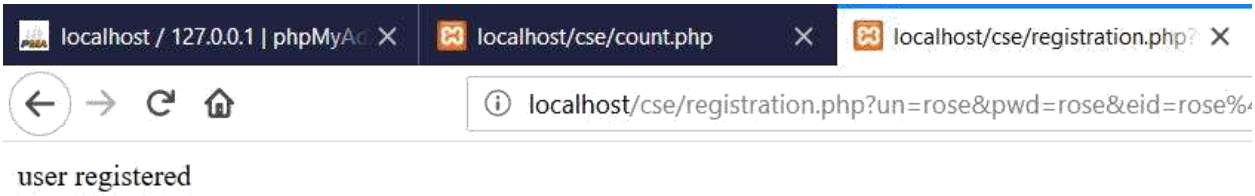
OUTPUT :



REGISTRATION.PHP

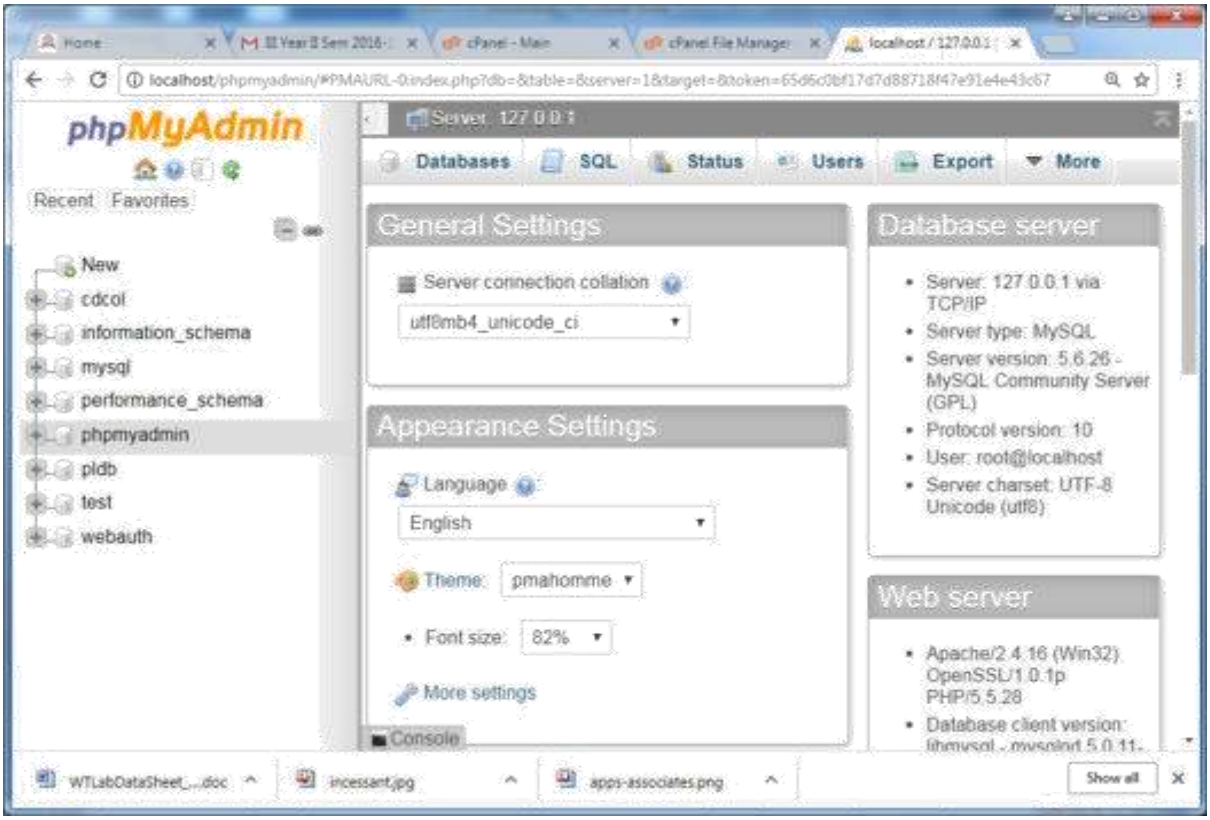
```
<?php
        $count=$_COOKIE["count"];
        $un=$_GET["un"];
        $pwd=$_GET["pwd"];
        $eid=$_GET["eid"];
        $no=$_GET["no"];
        $gen=$_GET["gen"];
        $date=$_GET["date"];
        $month=$_GET["month"];
        $year=$_GET["year"];
        $lang=$_GET["lang"];
        $langs=implode(" ",$lang);
        $count=$count+1;
        setcookie("User".$count,$un,time()+24*60*60);
        setcookie("Password".$count,$pwd,time()+24*60*60);
        setcookie("eid".$count,$eid,time()+24*60*60);
        setcookie("no".$count,$no,time()+24*60*60);
        setcookie("gen".$count,$gen,time()+24*60*60);
        setcookie("langs".$count,$langs,time()+24*60*60);
        setcookie("date".$count,$date,time()+24*60*60);
        setcookie("month".$count,$month,time()+24*60*60);
        setcookie("year".$count,$year,time()+24*60*60);
        setcookie("count",$count,time()+24*60*60);
        print "user registered";
?>
```

OUTPUT :

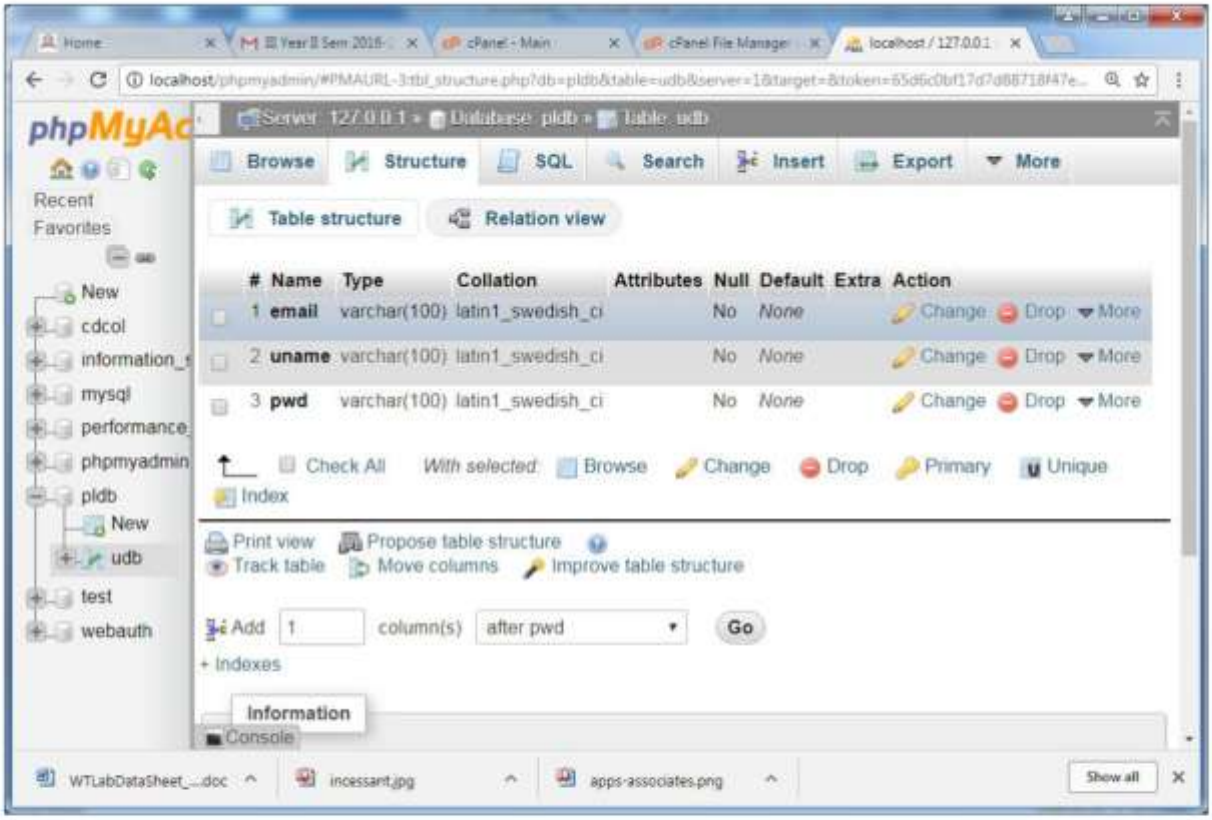

localhost / 127.0.0.1 | phpMyAd
localhost/cse/count.php
localhost/cse/registration.php?
localhost/cse/registration.php?un=rose&pwd=rose&eid=rose%
user registered

18) Aim: An example perl program to connect to a MySQl database table and executing simple commands.

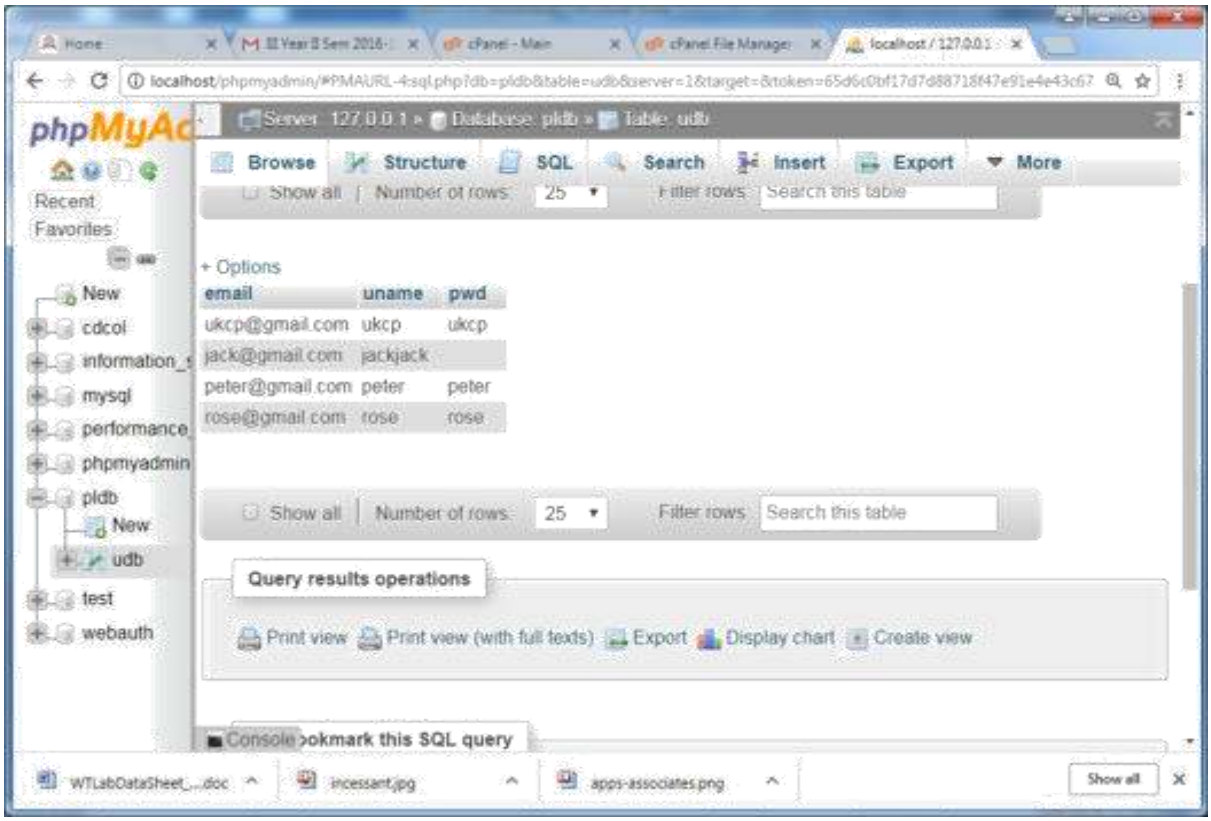
Step-1: Create Database "PLDB"



Step-2: Create Table "UDB"



Step-3: Insert rows into table "UDB"



Program:

```
#!"D:\xampp\perl\bin\perl.exe"

use DBI;

#definition of variables

$db="pldb";

$host="localhost";

$user="plu";

$password="plu";

#connect to MySQL database

my $dbh = DBI->connect ("DBI:mysql:database=$db:host=$host",$user,$password) or
die "Can't connect to

database: $DBI::errstr\n";

#prepare the query

my $sth = $dbh->prepare( "SELECT *FROM udb");

#execute the query

$sth->execute();

## Retrieve the results of a row of data and print

print "\tQuery results:\n====================\n";

print("EMAIL\tUser

Name\tPassword\n====================\n"); while (my @row =

$sth->fetchrow_array()) {

 print "@row\n";

}

warn "Problem in retrieving results", $sth->errstr( ), "\n" if $sth->err();

exit;
```

Output:


Administrator: C:\Windows\System32\cmd.exe
D:\perldb>perl Dbb.pl
Query results:
EMAIL User Name Password
ukcp@gmail.com ukcp ukcp
jack@gmail.com jackjack
peter@gmail.com peter peter
rose@gmail.com rose rose
D:\perldb>

19) AIM: Create a Contact Us page by forwarding to server side program

Program:

contactus .php

```
<html>
<head><title>CONTACT US</title></head>
<body>
<div>
<br><br><br><br><br>
<h1align="left">CONTACT US</h1>
<br><br><br>
<form method="post" action="contact.php">
<table align="left">
<tr><td> NAME</td><td><input type="text" name="sname"></tr>
<tr><td>DEPARTMENT :</td><td><select name="dept"> <option
value="cse">CSE</option> <option value="civil">CIVIL</option>
<option value="mech">MECH</option>
<option value="ece">ECE</option>
<option value="it">IT</option>
<option value="eee">EEE</option>
<option value="bs">BS&H</option>
<option value="mca">MCA</option>
<option value="mba">MBA</option>
</select></td>
</tr>
<tr><td>  MOBILE</td><td><input  type="text"  name="mobile"></tr>
<tr><td>  EMAIL  ID</td><td><input  type="text"  name="email"></tr>
<tr><td> Write your needs </td><td><textarea></textarea></td></tr>
<tr><td><input type="submit" class="myButton" name="submit11" value="submit"></td>
</tr>
</table>
</form>
</div>
</body>
```

```
</html>
<html>
```

contact.php

```
<?php
$name=$_POST['sname'];
$email=$_POST['email'];
$mobile=$_POST['mobile'];
$dep=$_POST['dept'];
print "<h1> Name:".$name."</h1>";
print "<h1> Dept:".$dep."</h1>";
print "<h1> Mobile:".$mobile."</h1>";
print "<h1> email:".$email."</h1>";
print "<h1> Thanks for your mail us we will get back you soon"."</h1>";
?>
```

OUTPUT:

20) a) AIM : Write a program to create a cookie and add these four user id's and passwords to this cookie.

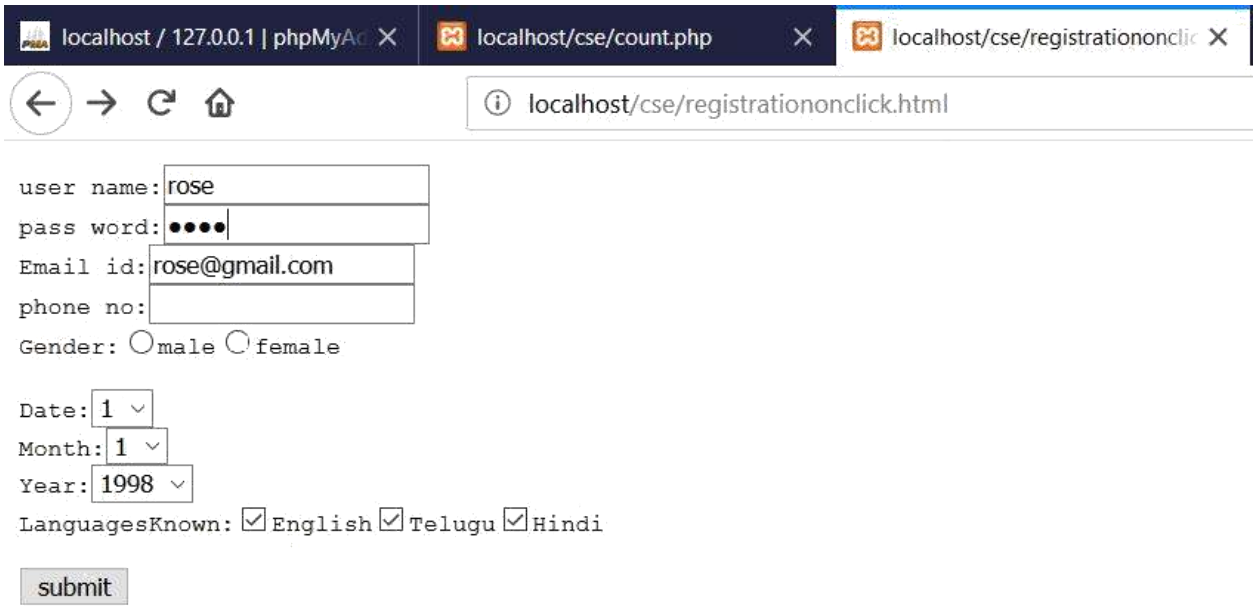
Program :

Registration.Html

```
<html>

<head>

</head>

<body>

<form name="f" method="GET" action="registration.php">

<pre>

user name:<input type="text" name="un" />

pass word:<input type="password" name="pwd"/>

Email id:<input type="text" name="eid"/> phone

no:<input type="text" name="no"/>

Gender:<input type="radio" name="gen" value="male">male<input
type="radio" name="gen" value="female">female

</input>

Date:<select name="date">

<option value="1">1</option>

<option value="2">2</option>

<option value="3">3</option>

</select>

Month:<select name="month">

<option value="1">1</option>

<option value="2">2</option>

<option value="3">3</option>

</select>

Year:<select name="year">

<option value="1998">1998</option>
```

```
<option value="1999">1999</option>

<option value="2000">2000</option>

</select>

LanguagesKnown:<input type="checkbox" name="lang[]"
value="English">English<input type="checkbox" name="lang[]"
value="Telugu">Telugu<input type="checkbox" name="lang[]" value="Hindi">Hindi

</input>

<input type="submit" value="submit"/>

</pre>

</form>

</body>

</html>
```

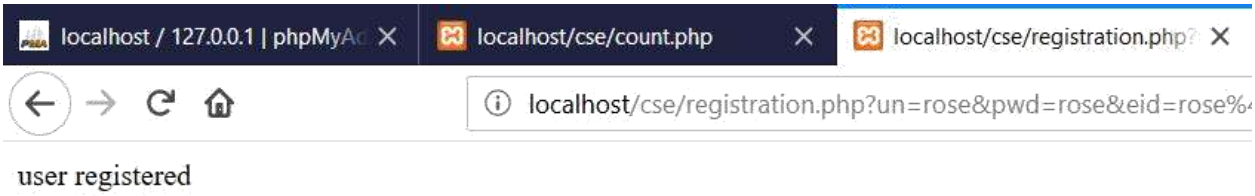
Output :



Registration.Php

```
<?php
        $count=$_COOKIE["count"];
        $un=$_GET["un"];
        $pwd=$_GET["pwd"];
        $eid=$_GET["eid"];
        $no=$_GET["no"];
        $gen=$_GET["gen"];
        $date=$_GET["date"];
        $month=$_GET["month"];
        $year=$_GET["year"];
        $lang=$_GET["lang"];
        $langs=implode(" ",$lang);
        $count=$count+1;
        setcookie("User".$count,$un,time()+24*60*60);
        setcookie("Password".$count,$pwd,time()+24*60*60);
        setcookie("eid".$count,$eid,time()+24*60*60);
        setcookie("no".$count,$no,time()+24*60*60);
        setcookie("gen".$count,$gen,time()+24*60*60);
        setcookie("langs".$count,$langs,time()+24*60*60);
        setcookie("date".$count,$date,time()+24*60*60);
        setcookie("month".$count,$month,time()+24*60*60);
        setcookie("year".$count,$year,time()+24*60*60);
        setcookie("count",$count,time()+24*60*60);
        print "user registered";
?>
```

Output :


localhost / 127.0.0.1 | phpMyAd
localhost/cse/count.php
localhost/cse/registration.php?
localhost/cse/registration.php?un=rose&pwd=rose&eid=rose%
user registered

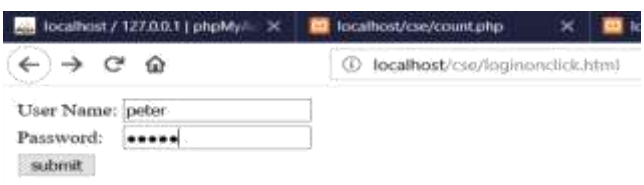
20) b) AIM : Write a program to read the user id and passwords entered in the Login form and authenticate with the values (user id and passwords) available in the cookies.

PROGRAM :

LOGIN.HTML

```
<html>
<head>
<style>
body{
text-align:center;
}
</style>
</head>
<body>
<form name="f" method="POST" action="login.php">
<table>
<tr>
<td>User Name:</td><td><input type="text" name="un" value=""/>
</td></tr>
<tr>
<td>Password:</td><td><input type="password" name="pwd" value""/></td></tr>
<tr><td><input type="submit" value="submit"/></td> </table>

</form>
</body>
</html>
```

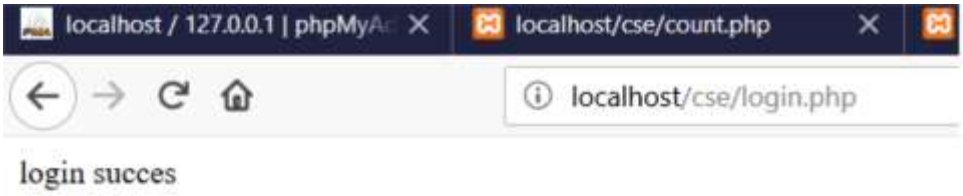
Output :

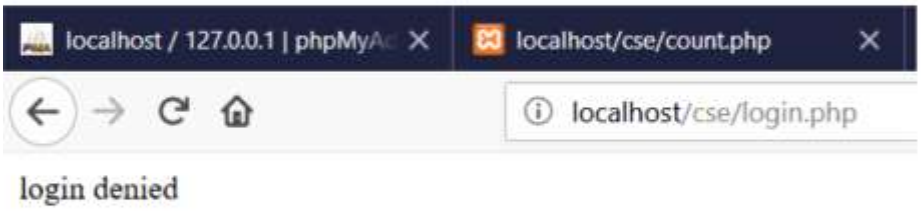


LOGIN.PHP

```
<?php
	$un=$_POST["un"];
	$pwd=$_POST["pwd"];
	$cn=$_COOKIE["count"];

	$c=0;
	for($i=1;$i<=$cn;$i++) {
		if($_COOKIE["User".$i]==$un && $_COOKIE["Password".$i]==$pwd)
		{
			$c=1;
		}
	}
	if($c>0)
		print "login succes";
	else
		print "login denied";
?>
```

OUTPUT :


localhost / 127.0.0.1 | phpMyA
localhost/cse/count.php
localhost/cse/login.php
login succes


localhost / 127.0.0.1 | phpMyA
localhost/cse/count.php
localhost/cse/login.php
login denied

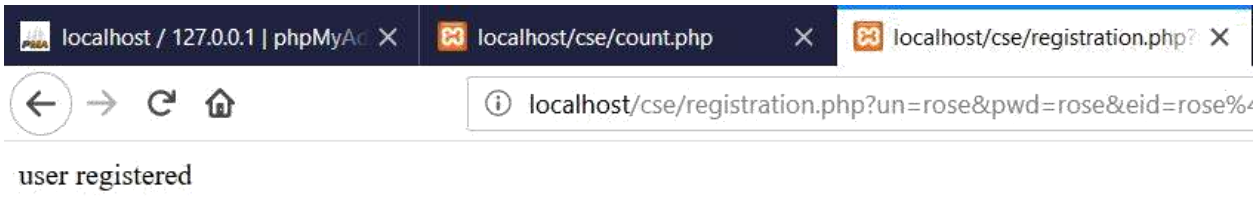
21) AIM: Write a php program for registering users of a website and login.

PROGRAM :

REGISTRATION.PHP

```
<?php
        $count=$_COOKIE["count"];
        $un=$_GET["un"];
        $pwd=$_GET["pwd"];
        $eid=$_GET["eid"];
        $no=$_GET["no"];
        $gen=$_GET["gen"];
        $date=$_GET["date"];
        $month=$_GET["month"];
        $year=$_GET["year"];
        $lang=$_GET["lang"];
        $langs=implode(" ",$lang);
        $count=$count+1;
        print "user registered";
?>
```

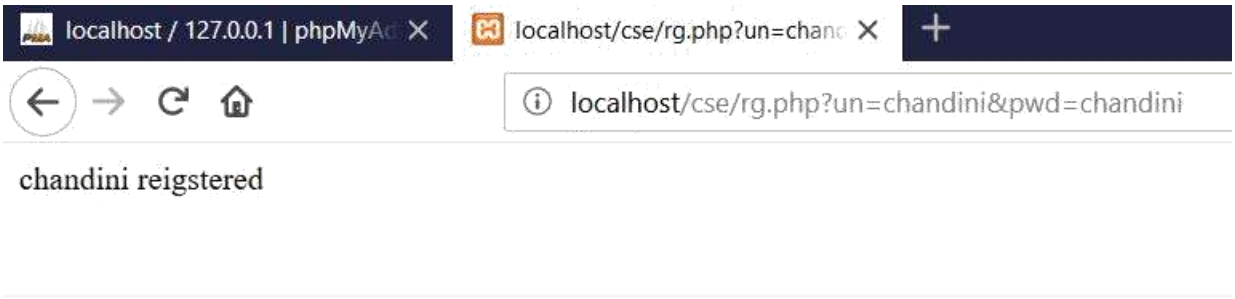
Output:



LOGIN.PHP :

```
<?php
        $un=$_GET["un"];
        $pwd=$_GET["pwd"];
       echo $un."     "."reigstered";
?>
```

Output:



22) AIM:- Install a database (Mysql or Oracle).

Create a table which should contain at least the following fields: name, password, email-id, phone number (these should hold the data from the registration form).

Write a PHP program to connect to that database and extract data from the tables and display them. Experiment with various SQL queries. Insert the details of the users who register with the web site, whenever a new user clicks the submit button in the registration page (Week 2).

PROGRAM :

REGISTRATION.HTML :

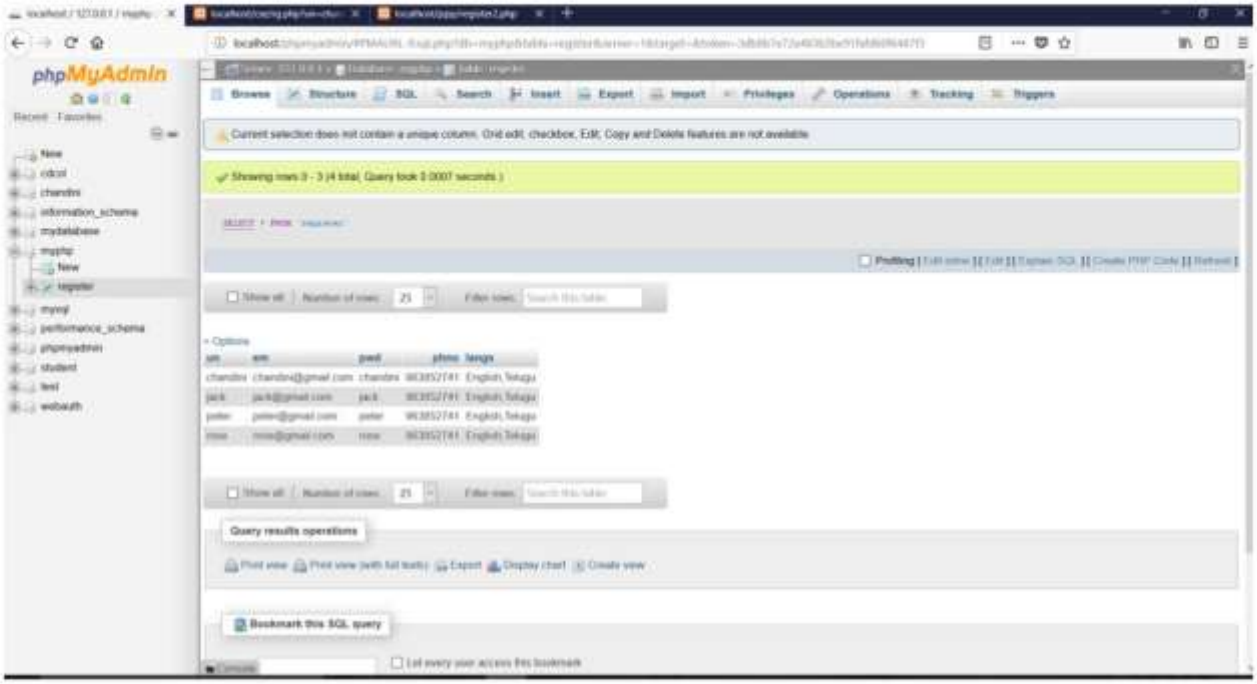
```
<html>
<body bgcolor="cyan">
<h1>Registration Form</h1>
<fieldset>
<legend>Personal Details</legend>
<form method="post" action="register.php"> User
Name: <input type="text" name="un" /><br> Email ID:
<input type="text" name="em" /><br> password
:<input type="password" name="pwd" /><br> Phone
number :<input type="text" name="phno" /><br>
Languages Known: <input type="checkbox" name="langs[]" value="English"/>English
<input type="checkbox" name="langs[]" value="Telugu"/>Telugu
<input type="checkbox" name="langs[]" value="Hindi"/>Hindi
<br>
<input type="submit" value="Register" />
</form>
</fieldset>
</body>
</html>
```

Output:

REGISTRATION.PHP :

```
<?php
        $un = $_POST["un"];
        $em = $_POST["em"];
        $pwd = $_POST["pwd"];
        $phno = $_POST["phno"];
        $ls = $_POST["langs"];
        $langs = implode($ls,",");
        $con = mysql_connect("localhost","chai","chai");
        mysql_select_db("usersDB",$con);
        $sql = "insert into register values
        ('$un','$em','$pwd','$phno','$langs')"; if(mysql_query($sql))
                print "Registration Done";
        else
                print mysql_errno();
?>
```

Output:


phpMyAdmin
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available
Query results operations
Bookmark this SQL query

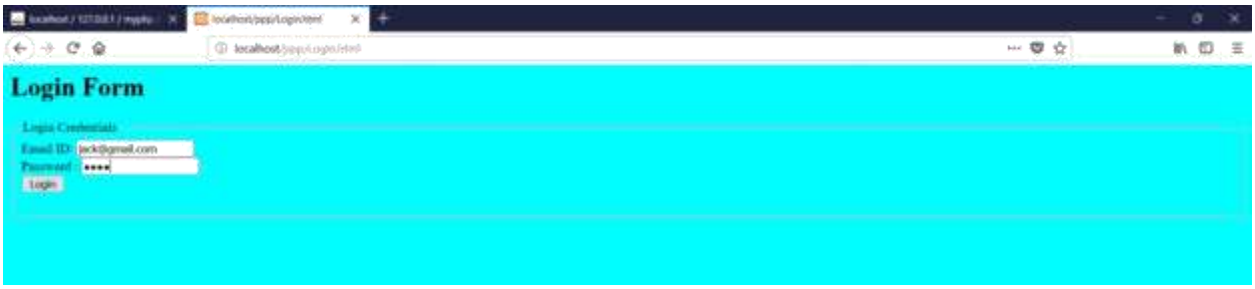
23) AIM: Write a PHP program in which we insert details of the 3 or 4 users who register with the web site by using registration form . Authenticate the user when he submits the login form using name and password from the database.

PROGRAM:

LOGIN.HTML

```
<html>

<body bgcolor="cyan">

<h1>Login Form</h1>

<fieldset>

<legend>Login Credentials</legend> <form

method="post" action="login2.php"> Email ID: <input

type="text" name="em" /><br> Password :<input

type="password" name="pwd" /><br> <input

type="submit" value="Login" /> </form>


</fieldset>

</body>

</html>
```

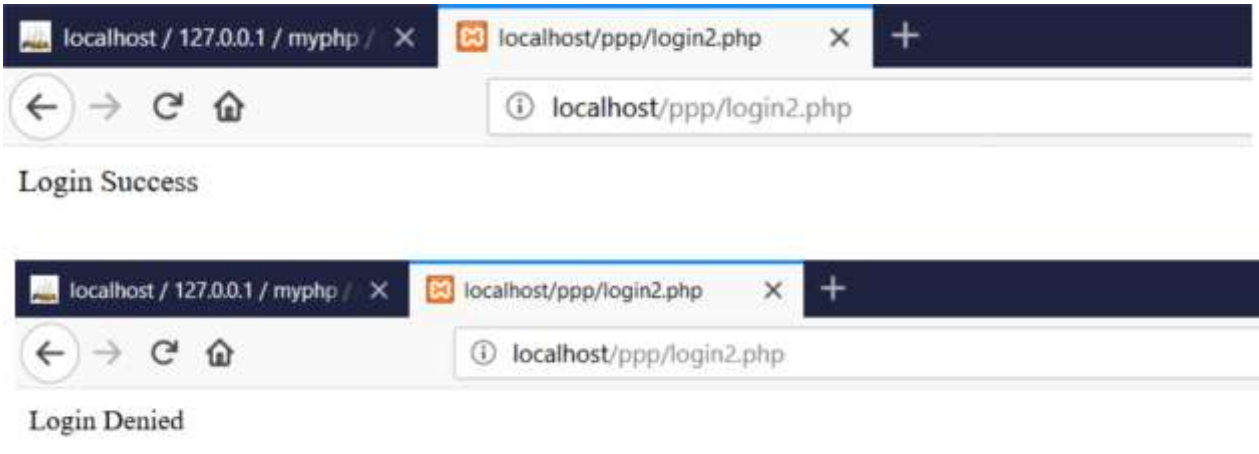
Output :



LOGIN.PHP :

```
<?php
        $em = $_POST["em"];
        $pwd = $_POST["pwd"];
        $con = mysql_connect("localhost","chandini","chandini");
        mysql_select_db("myphp",$con); $sql = "select * from
        register";
        $res = mysql_query($sql);
        $c=0;
        while($row = mysql_fetch_assoc($res)){
         if($row["em"]==$em&&
                $row["pwd"]==$pwd){ $c++;
         }
        }
        if($c>0)
         print "Login Success";
        else
         print "Login Denied";

?>
```

Output :



24) AIM : Write a PHP Script and insert and retrieve Book item data from MySQL database.

Program:

Inserting Books into DataBase:

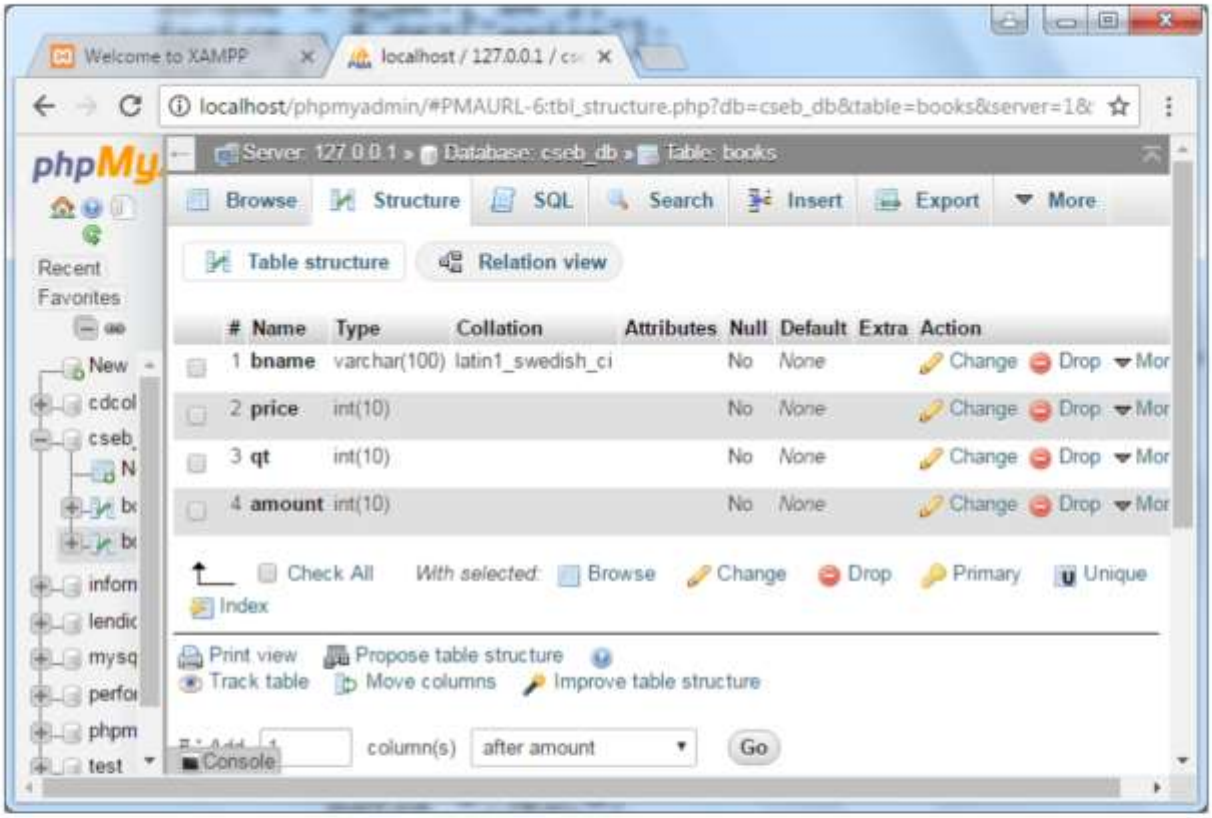
Book.html

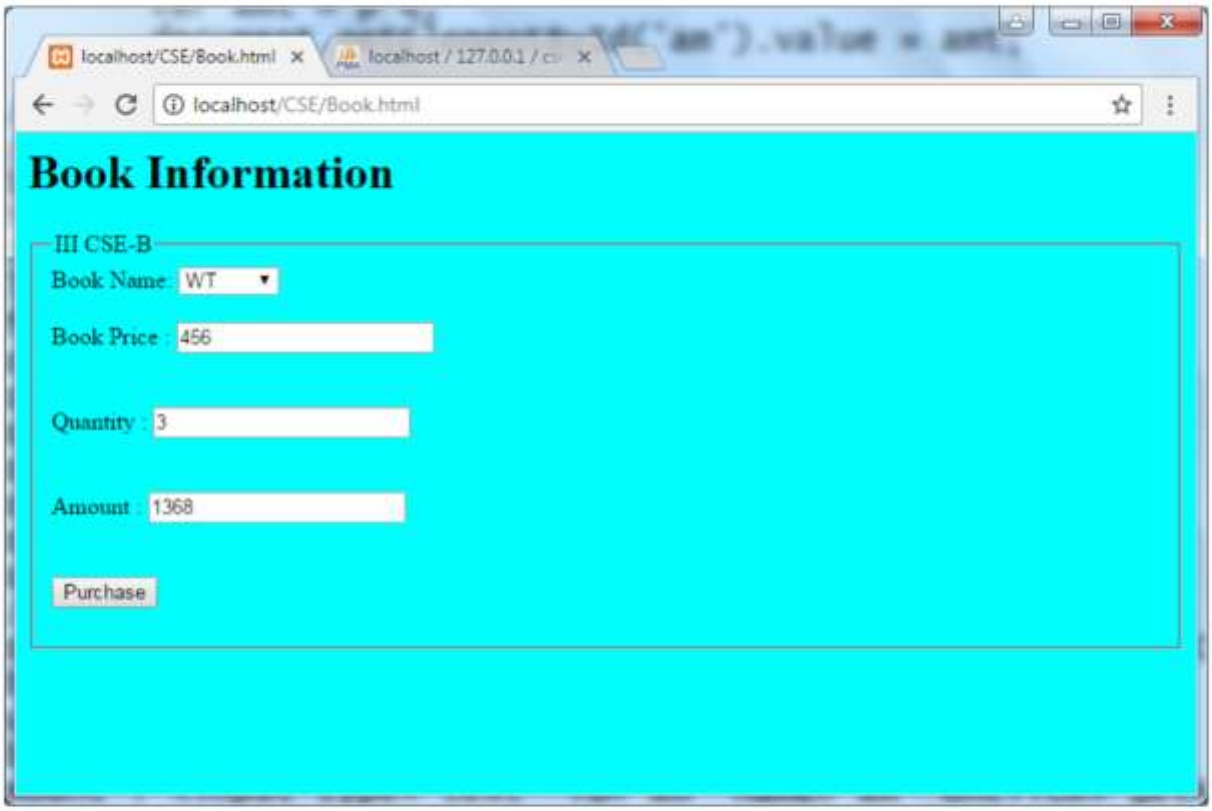
```
<html>
<head>
<script type="text/javascript">
function getPrice(){
	var books = {
		"DWDM" : 245,
		"WT" : 456,
		"SE" : 342,
		"DAA" : 732,
		"CN" : 345,
		"IPR" : 321
	};

	var bn = document.getElementById('bk').value;
	var price = books[bn];
	document.getElementById('price').value = price;
}

function getAmount(){
	var p = document.getElementById('price').value;
	var q = document.getElementById('qt').value;
	var amt = p*q;
	document.getElementById('am').value = amt;
}
```

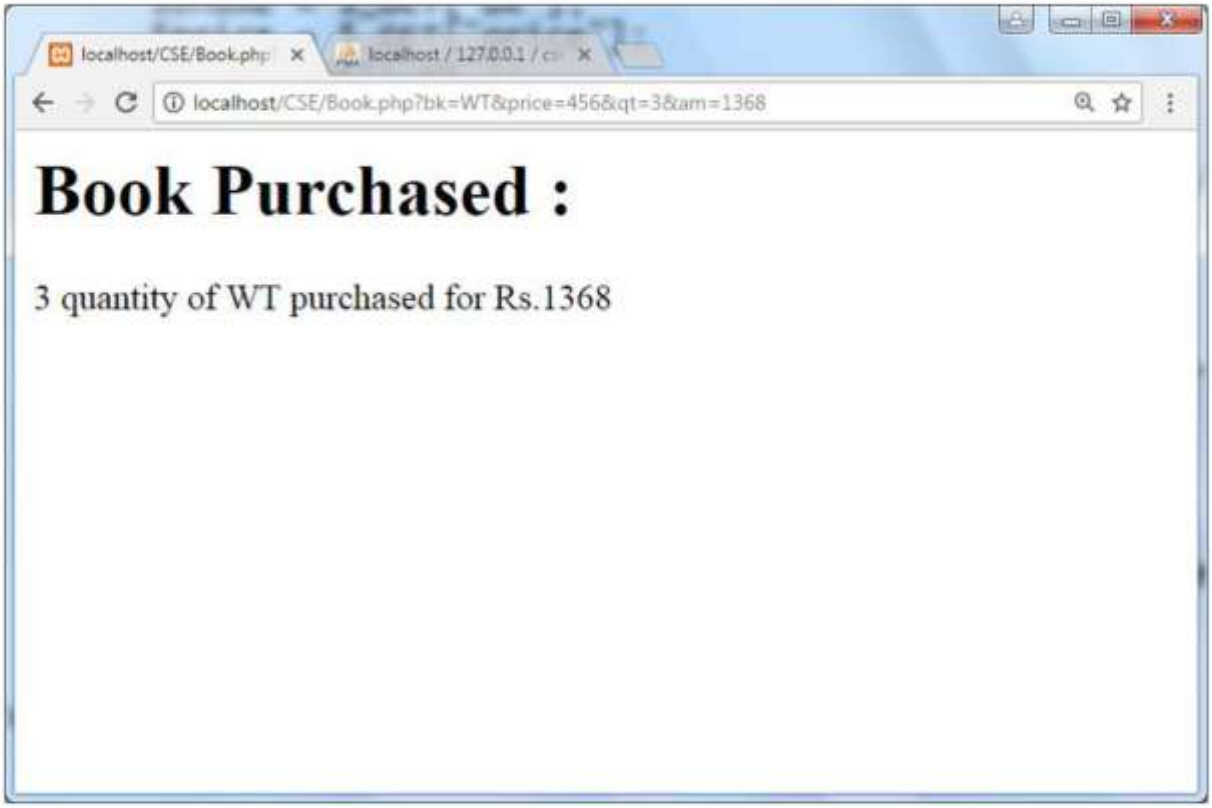
```
</script>
</head>
<body bgcolor="cyan">
<h1> Book Information </h1>
<fieldset>
<legend>III CSE-B</legend>
<form method="get" action="Book.php">
Book Name: <select id="bk" name="bk">
<option value="DWDM">DWDM</option>
<option value="WT">WT</option>
<option value="DAA">DAA</option>
<option value="SE">SE</option>
<option value="CN">CN</option>
<option value="IPR">IPR</option>
</select><br><br>
Book Price : <input type="text" id="price" name="price"
onClick="getPrice()"/><br> <br><br>
Quantity : <input type="text" id="qt"
name="qt"><br> <br><br>
Amount : <input type="text" id="am" name="am" onClick="getAmount()"><br>
<br><br>
<input type="submit" value="Purchase"/>
</form>
</fieldset>
</body>
</html>
```

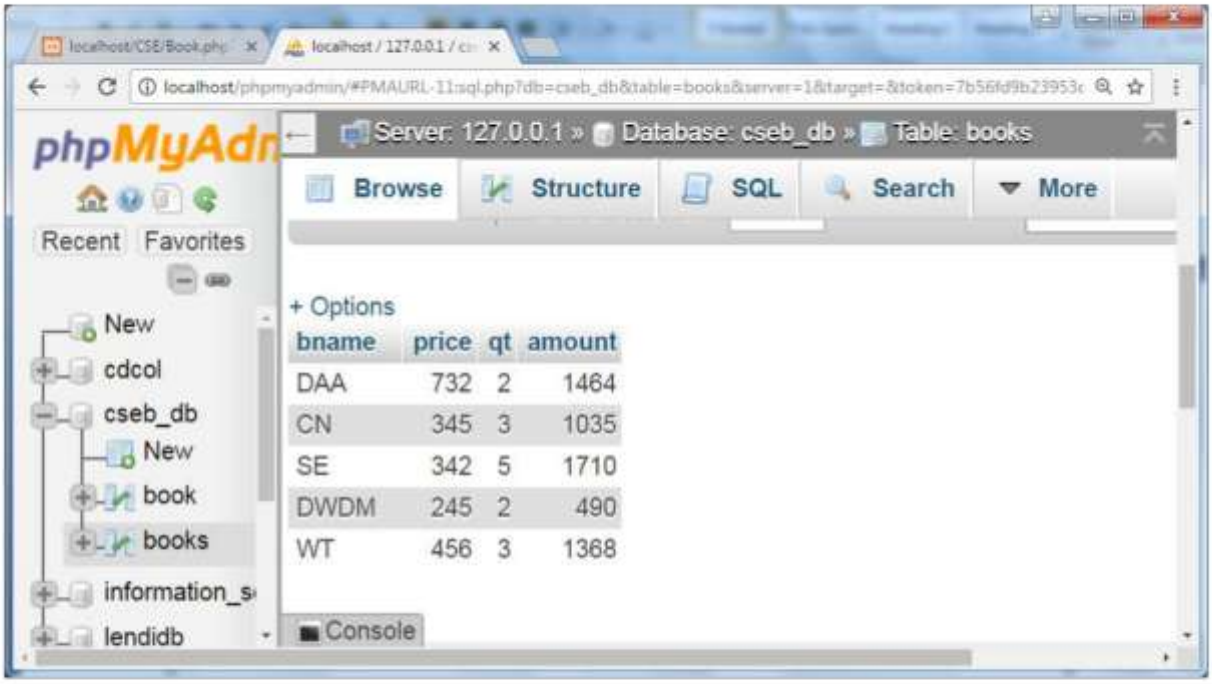
Book.php

```
<?php
	$bname = $_GET["bk"];
	$price = $_GET["price"];
	$qt = $_GET["qt"];
	$amt = $_GET["am"];

	$con = mysql_connect("localhost","cseb","cseb"); //step-1
	mysql_select_db("cseb_db",$con); //step-2

	//step-3

	$sql = "insert into books values('$bname','$price','$qt','$amt')";

	print "<h1>Book Purchased :</h1>";

	if(mysql_query($sql))
	{
		print $qt." quantity of ".$bname." purchased for"." Rs.".$amt;
	}else{
		print mysql_error();
	}
?>
```


Welcome to XAMPP
localhost / 127.0.0.1 / cs
localhost/phpmyadmin/#PMAURL-6:tbl_structure.php?db=cseb_db&table=books&server=1&
Server: 127.0.0.1 » Database: cseb_db » Table: books
Browse
Structure
SQL
Search
Insert
Export
More
Table structure
Relation view
Name Type Collation Attributes Null Default Extra Action
1 bname varchar(100) latin1_swedish_ci No None Change Drop
2 price int(10) No None Change Drop
3 qt int(10) No None Change Drop
4 amount int(10) No None Change Drop
Check All
With selected:
Browse
Change
Drop
Primary
Unique
Index
Print view
Propose table structure
Track table
Move columns
Improve table structure
column(s)
after amount
Go
Console


localhost/CSE/Book.html
localhost / 127.0.0.1 / cs
localhost/CSE/Book.html
Book Information
III CSE-B
Book Name : WT
Book Price : 456
Quantity : 3
Amount : 1368
Purchase





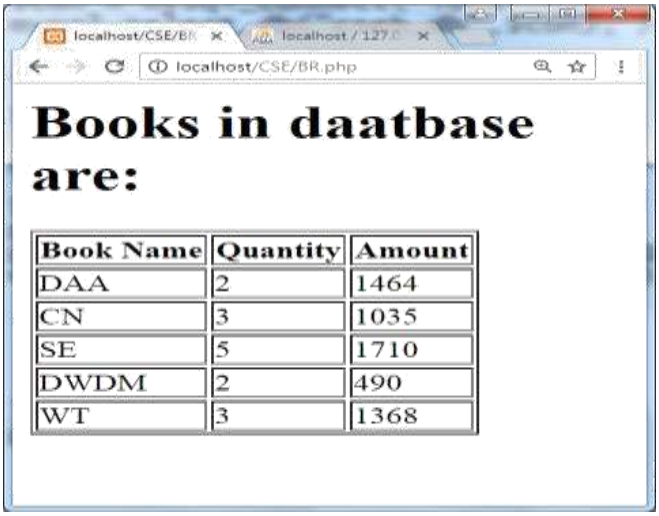
Retrieving Books from Database:

BR.php

```
<?php
        $con = mysql_connect("localhost","cseb","cseb"); //step-1
        mysql_select_db("cseb_db",$con); //step-2
```

```
        //step-3
        $sql = "select * from books";
        print "<h1>Books in daatbase are:</h1>";
        $res = mysql_query($sql);
        print "<table border='1'>";
        print "<tr><th>Book Name</th><th>Quantity</th><th>Amount</th></tr>";
        while($row = mysql_fetch_row($res)){
                print "<tr>";
                print "<td>$row[0]</td>";
                print "<td>$row[2]</td>";
                print "<td>$row[3]</td>";
                print "</tr>";
        }
        print "</table>";
?>
```

Output:



25) AIM: Create a PHP Script to create a HttpSession by using $_SESSION and also retrieve and delete the user session variable.

Program:

SessionCreation.html:

```
<html>
<body>
<h1> User Information </h1>
<fieldset>
<legend>Department Users</legend>
<form method="get" action="UserSession.php">
Book Name: <select name="dept"> <option
value="CSE">CSE</option>
<option value="ECE">ECE</option>
<option value="EEE">EEE</option>
<option value="MECH">MECH</option>
</select><br><br>
User Name : <input type="text" name="un"/><br>
<br><br>
Email ID : <input type="text" name="em"><br>
<br><br>
Phone Number: <input type="text"
name="phno"><br> <br><br>
<input type="submit" value="Register"/>
</form>
</fieldset>
</form>
</body>
</html>
```

UserSession.php:

```
<?php
        session_start();
        $user = $_GET;
        $_SESSION["us"]=$user;
        print "<h1>User Created...</h1>";
        print "<a href='UserPage.php'>Click here to User Page</a>";
?>
```

UserPage.php

```
<?php
        session_start();
        $usr = $_SESSION["us"];
```

```
        print "<h1>Welcome:".$usr["un"]."</h1>";
        session_destroy();
?>
```

Output: