

1)a)

**Main.html:**

```
<html>
  <frameset rows="30%,10%,*">
    <frame src="one.html"></frame>
    <frame src="two.html"></frame>
  <frameset cols="20%,*">
    <frame src="three.html"></frame>
    <frame src="four.html"></frame>
  </frameset>
</frameset>
</html>
```

### One.html:

```
<html>
<style>
body{
line-height: 1ch;
}
h3{
padding-left:5%;
}
</style>
<body >

<div style="text-align: left;">
<h2 style="color:rgb(236, 27, 27); text-align:center;">srkr website</h2> <br>

</div>
</body>
</html>
```

## Two.html:

[illegible]

```
</html>
```

### Three.html:

```
<html>
  <body style="background-color:#d0af84;">
    <ul>
      <a href="#cse">CSE</a><br><br>
      <a href="#horror">ECE</a><br><br>
      <a href="#adventure">EEE</a><br><br>
      <a href="#biography">IT</a><br><br>
      <a href="#education">CIVIL</a><br><br>
    </ul>
  </body>
</html>
```

### Four.html:

```
<html>
  <body style="background-color:#f6f1ef;">
    <h1 style="color:rgb(32, 30, 27);"><marquee behavior="scroll" direction="
left" scrollamount=12> 19B91A12A6</marquee></h1>

  </body>
</html>
```

### 1)b:perl simple calculator

```
$n1=@ARGV[0];
$op=@ARGV[1];
$n2=@ARGV[2];
$ans=0;
if($op eq '+')
{
$ans=$n1+$n2;
print "addition : $ans";
}
elsif($op eq '-')
{
$ans=$n1-$n2;
print "subtraction : $ans";
}
elsif($op eq '*')
{
$ans=$n1*$n2;
print "multiplication : $ans";
}
else
```

```
{
print "invalid operator!!!";
exit;
}
```

## 2)a) form validation:

```
<html>
  <head>
    <script>
      function fun(){
        var name=document.myform.name.value;
        var password=document.myform.pwd.value;

        if (name==null || name=="||name.length<4){
          alert("Name can't be blank or atleast 4 characters");
          return false;
        }else if(password.length<6){
          alert("Password must be at least 6 characters long.");
          return false;
        }
      }
    </script>
  </head>
  <body>
    <form name="myform" method="post" action="abc.jsp"
onsubmit="return fun()" >
      Name: <input type="text" name="name"><br/>
      Password: <input type="password" name="pwd"><br/>
      <input type="submit" value="register">
    </form>
  </body>
</html>
```

## 2)b) catalogue page:

```
<html>
  <head>
    <title></title>
  </head>
  <body style="background-color:#f9f4f2;">

  <a name="engineering"></a>
  <table border=1 width=100%>
    <tr>
```

```

<th colspan=4>Engineering</th>
</tr>

<tr align="center">
<td></td>
<td>
<b>Book:</b>The 8081 Microcontroller<br>
<b>Author:</b>Mohammad Ali<br>
<b>Rating:</b>☆☆☆☆</b>
</td>
<td>₹499</td>
<td><input type="button" name="b18" value="Add to cart"></td>
</tr>

<tr align="center">
<td></td>
<td>
<b>Book:</b>Cryptography and Network Security<br>
<b>Author:</b>Forouzan <br>
<b>Rating:</b>☆☆☆☆☆</b>
</td>
<td>₹550</td>
<td><input type="button" name="b19" value="Add to cart"></td>
</tr>

<tr align="center">
<td></td>
<td>
<b>Book:</b>Web Technologies<br>
<b>Author:</b>Uttam K Roy<br>
<b>Rating:</b>☆☆☆☆☆</b>
</td>
<td>₹610</td>
<td><input type="button" name="b20" value="Add to cart"></td>
</tr>
</table>
</body>
</html>

```

### 3)a) registration page:

```

<html>
  <head>
  </head>
  <body>
    <center>
      <h1><u>Registration Form</u></h1>
      <form action="#" method="get">
        Name:<input type="text" name="name"></input><br><br>
        Password:<input type="password" name="psd"></input><br><br>

```

```

        Address:<textarea rows="5" cols="15"
name="address"></textarea><br><br>
        Email:<input type="email" name="email"></input><br><br>
        PhoneNumber:<input type="text" name="phn"></input><br><br>
        Sex:<input type="radio" name="sex" value="male">male</input>
        <input type="radio" name="sex" value="female">female</input> <br><br>
        Dateofbirth:
        <input type="date"></input><br><br>
        Language Known:
        <br>
        english:<input type="checkbox" value="english"
name="lan"></input><br>
        telugu:<input type="checkbox" value="telugu" name="lan"></input><br>
        hindi:<input type="checkbox" value="hindi" name="lan"></input><br>
        tamil:<input type="checkbox" value="tamil" name="lan"></input>
<br><br>
        <button type="submit" value="submit">submit</button>
        <button type="reset" >reset</button>
    </form>
</center>
</body>
</html>

```

### **3)b) perl to connect database:**

```

#!/usr/bin/perl
use DBI;
$con = DBI->connect('DBI:mysql:srkr1:localhost','root','')
or die "Unable to connect to mysql: $DBI::errstr\n";

$query = $con->prepare('select id, name,marks from student');

$result = $query->execute()
or die "Unable to execute sql: $query->errstr";

while (($id, $name, $marks) = $query->fetchrow_array())
{
    print "Id: $id Name: $name Mobile:$marks\n";
}

$query->finish();

```

### **5)a) xml file:**

```

<?xml version="1.0"?>
<!DOCTYPE book [
    <!ELEMENT book (bookinfo+) >
    <!ELEMENT bookinfo (title,author,ISBN,publisher,edition,price)>

```

```
<!ELEMENT title (#PCDATA) >
<!ELEMENT author (#PCDATA) >
<!ELEMENT ISBN (#PCDATA) >
<!ELEMENT publisher (#PCDATA) >
<!ELEMENT edition (#PCDATA) >
<!ELEMENT price (#PCDATA) >
]>
<book>
  <bookinfo>
    <title>Computer Networks</title>
    <author> Tanenbaum</author>
    <ISBN>123</ISBN>
    <publisher>Pearson</publisher>
    <edition>5th</edition>
    <price>₹880</price>
  </bookinfo>
  <bookinfo>
    <title>Web Technologies</title>
    <author> Sebesta</author>
    <ISBN>456</ISBN>
    <publisher>Pearson</publisher>
    <edition>3rd</edition>
    <price>₹6680</price>
  </bookinfo>
  <bookinfo>
    <title>UNIX Network Programming</title>
    <author> Bill Fenner </author>
    <ISBN>789</ISBN>
    <publisher>Addison-Wesley</publisher>
    <edition>2nd</edition>
    <price>₹450</price>
  </bookinfo>
  <bookinfo>
    <title>Programming Perl</title>
    <author>Randal L. Schwartz</author>
    <ISBN>167</ISBN>
    <publisher>O'Reilly Media, Inc.</publisher>
    <edition>1st</edition>
    <price>₹500</price>
  </bookinfo>
  <bookinfo>
    <title>File Structures</title>
    <author> Bill Zoellick</author>
    <ISBN>129</ISBN>
    <publisher>Pearson</publisher>
    <edition>5th</edition>
    <price>₹980</price>
  </bookinfo>
```

</book>

## **RUBY:**

### **FACTORIAL:**

```
puts "Enter number"
num = gets.chomp.to_i
fact=1
i=1
while(i <= num)
  fact=fact*i
  i=i+1
end
puts "Factorial of #{num} is #{fact}"
```

### **LENGTH OF WORD:**

```
puts "Enter a string"
str=gets.chomp
count=0
str.split("").each do |i|
  count+=1
end
puts count
```

### **AREA OF TRIANGLE:**

```
puts "Sides of triangle :"
a = gets.chomp.to_i
b = gets.chomp.to_i
c = gets.chomp.to_i
s = (a+b+c)/2;
puts "Value of s is #{s}"
area=Math.sqrt(s * (s-a) * (s-b) * (s-c))
puts "Area of triangle is #{area}"
```

### **NO OF LINES IN A REXT FILE:**

```
filename = "file1.txt"
count = IO.readlines(filename).size
puts "There are #{count} lines in #{filename}";
puts "Bubble Sort"
print "Enter the size of the array:"
n=gets.to_i
a=Array.new(n)
puts "Enter the elements :"
for i in 0..n-1
  a[i]=gets.to_i
end
t=0
for i in 0..n-1
  for j in i..n-1
```

```

if (a[i] > a[j])
t=a[j]
a[j]=a[i]
a[i]=t
end
end
end
puts "After Sorting :"
for i in 0..n-1
print "#{a[i]} "
end

```

### ASSOC ARRAY:

```

shortcut = Hash.new;
shortcut = {"WT"=>"Web Technology","CN"=>"Computer Networks","OS"=>"Operating Systems"};
size = shortcut.length;
puts "Size of hash is: #{size}";
shortcut.each do |key,val|
puts "#{key} full form is #{val}"
end

```

### COMPLEX CLASS:

```

class Myclass
  @@clsvar=0;
  def initialize(name,id)
    @std_name=name
    @std_id=id
  end
  def total
    @@clsvar+=1
    print "#{@@clsvar}\n"
  end
end
obj=Myclass.new("vnk","1")
obj1=Myclass.new("vnk1","11")
obj.total
obj1.total

```

[insert form.html](#)



### insert php:

```
<?php
$server="localhost";
$user="root";
$pass="";
$dbname="raghu";
$con =mysqli_connect($server,$user,$pass,$dbname);
if(!$con)
{
die("Error : : ".mysqli_connect_error());
}
$sql = "INSERT INTO student VALUES
('".$_POST['id']."' , '".$_POST['name']."' , '".$_POST['marks']."' )";
$res = mysqli_query($con,$sql);
if($res)
{
$sql2="select * from student";
$sres=mysqli_query($con,$sql2);
echo "<table border=1>
<tr>
<th>ID</th>
<th>Name</th>
<th>Marks</th>
</tr>";
while($row= mysqli_fetch_array($sres))
{
echo "<tr>";
echo "<td>".$row[0]."</td>";
echo "<td>".$row[1]."</td>";
echo "<td>".$row[2]."</td>";
echo "</tr>";
}
echo "</table>";
}
else
{
echo "Issue with query";
}
mysqli_close($con);
?>

<html>
<body>
<form action="insert.php" method="post">
ID <input type="text" name="id"/><br>
Name <input type="text" name="name"/><br>
```

```
MARKS <input type="text" name="marks"/><br>
<input type="submit" value="insert"/><br>
</form>
</body>
```

### Delete php:

```
<?php
    $server="localhost";
    $user="root";
    $pass="";
    $dbname="raghu";
    $con =mysqli_connect($server,$user,$pass,$dbname);
    if(!$con)
    {
        die("Error : : ".mysqli_connect_error());
    }
    $sql = "DELETE from students WHERE id='{$_POST['id']}'";
    $sres = mysqli_query($con,$sql);
    if($sres)
    {

        $res=mysqli_query($con,$sql);
        echo "<table border=1>
            <tr>
                <th>ID</th>
                <th>Name</th>
                <th>Marks</th>
            </tr>";
        while($row= mysqli_fetch_array($sres))
        {
            echo "<tr>";
            echo "<td>".$row[0]."</td>";
            echo "<td>".$row[1]."</td>";
            echo "<td>".$row[2]."</td>";
            echo "</tr>";
        }
        echo "</table>";

    }
    else
    {
        echo "Issue with query";
    }
    mysqli_close($con);
?>
```

```

<html>
  <body>
    <form action="delete.php" method="post">
      ID <input type="text" name="id"/><br>
      <input type="submit" value="delete"/><br>
    </form>
  </body>
</html>

```

### Update php:

```

<?php
  $server="localhost";
  $user="root";
  $pass="";
  $dbname="raghu";
  $con =mysqli_connect($server,$user,$pass,$dbname);
  if(!$con)
  {
    die("Error : : ".mysqli_connect_error());
  }
  $sql = "UPDATE student SET name='{$_POST['name']}' WHERE
id='{$_POST['id']}'";
  $res = mysqli_query($con,$sql);
  if($res)
  {
    $sql2="select * from student";
    $sres=mysqli_query($con,$sql2);
    echo "<table border=1>
      <tr>
        <th>ID</th>
        <th>Name</th>
        <th>Marks</th>
      </tr>";
    while($row= mysqli_fetch_array($sres))
    {
      echo "<tr>";
      echo "<td>".$row[0]."</td>";
      echo "<td>".$row[1]."</td>";
      echo "<td>".$row[2]."</td>";
      echo "</tr>";
    }
    echo "</table>";
  }
  else

```

```
{
    echo "Issue with query";
}
mysqli_close($con);

?>
<html>
    <body>
        <form action="update.php" method="post">
            ID <input type="text" name="id"/>
            <input type="submit" value="update"/><br>
            Name <input type="text" name="name"/><br>
        </form>
    </body>
</html>
```