Ex no: 12	**Developing a webpage using javascript**
Date :	

Question:1

Write a JavaScript function to find the sum of first n odd numbers and display the Result:.Get the value of n from the user

Aim::

To Write a JavaScript function to find the sum of first n odd numbers and display the Result:.Get the value of n from the user

Code::

```
<html>
<head>
<link rel="stylesheet" type="text/css" href="c.css">
</head>
<body>
<h2>The sum of n odd numbers</h2>
<script>
var n = Number(prompt("Enter N"));
add(n);
function add(n){
        var i=0;
        var n1=n;
        var sum=0;
        for(i=1;i<=n1;i++){
                if(i%2!=0){
                        sum=sum+i;}}
        document.write("n: ",n);
        document.write("<br>sum: ",sum);}
</script>
</body>
</html>
```

Output

The sum of n odd numbers

n: 5
sum: 9

Result:

Hence we successfully solved above probleem and the output verified

Ex no: 12	
Date :	**Developing a webpage using javascript**

Question:2

Write a JavaScript function that checks occurence of substring in a given string

Aim:

To Write a JavaScript function that checks occurence of substring in a given string

Code:
```
<html>
<body>
<script>
var s=prompt("Enter string");
var s1=prompt("Enter substring");
if(s.search(s1)==0)
        document.write("substring ",s1," is present in string ",s);
else
        document.write("substring ",s1," is not present in string ",s);
</script>
</body>
</html>
```

Output

substring muk is present in string mukesh

Result:

Hence we successfully solved above probleem and the output verified

Ex no: 12	**Developing a webpage using javascript**
Date :	

Question:3

Write a JavaScript function that accepts a string as a parameter and converts the first letter of each word of the string in upper case

Aim:

To Write a JavaScript function that accepts a string as a parameter and converts the first letter of each word of the string in upper case

Code:

```html
<html>
<body>
<script>
function uppercase(str)
{
  var arr = str.split(' ');
  var arr1 = [];

  for(var x = 0; x < arr.length; x++){
    arr1.push(arr[x].charAt(0).toUpperCase()+arr[x].slice(1));
  }
  return arr1.join(' ');
}
a=prompt("ENter String to change");
document.write("given string is ",a,"<br>",uppercase(a));
</script>
</body>
</head>
```

Output:

given string is mukesh
Mukesh

Result:

Hence we successfully solved above probleem and the output verified

Ex no: 13	**Developing a webpage using javascript**
Date :	

Question:1

Write a JavaScript program that displays the position of the first occurrence of "World" in the variable txt

Aim:

To Write a JavaScript program that displays the position of the first occurrence of "World" in the variable txt

Code:

```
<html>
<body>
<script>
 a=prompt("ENter String ");
 b=prompt("ENter String for inddex check");
 var n = a.indexOf(b);
 document.write(n);
</script>
</body>
</head>
```

Output

0

Result:

Hence we successfully solved above probleem and the output verified

Ex no: 13	
Date :	**Developing a webpage using javascript**

Question:2

     Write a JavaScript function to remove specified number of characters from a string

Aim:

     To Write a JavaScript function to remove specified number of characters from a string

Code:

```
<script>
 function rem(str, char_pos)
 {
  a = str.substring(0,str.length-char_pos);
  return a;
 }
b=prompt("Enter string");
document.write(rem(b,3))
</script>
```

Output

Muk

Result:

     Hence we successfully solved above probleem and the output verified

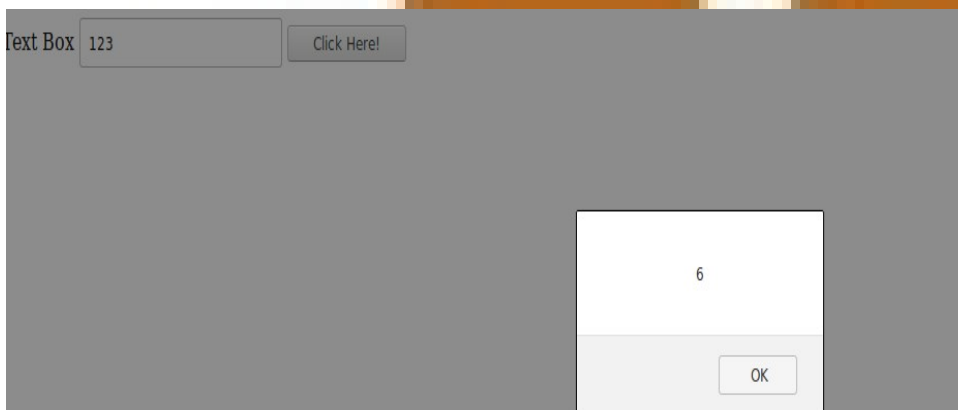| **Ex no: 13**	**Developing a webpage using javascript**
Date :	

Question:3

      Create an HTML page with a textbox and a command button:When the user gives a number and presses the Calculate button, it has to alert the sum.

Aim:

      To Create an HTML page with a textbox and a command button:When the user gives a number and presses the Calculate button, it has to alert the sum.

Code:

```
<html>
<head>
<script>
function fun(){
var n=document.getElementById("#").value;
var d=n.split('');
var sum=0;
for(i=0;i<d.length;i++){
sum=sum+Number(d[i]);]
alert(sum);]
</script>
<body>
<form>
    <p>Text Box <input type="text" id="#" placeholder="Enter someting">
    <button type="button" onclick="fun()">Click Here!</button>
</form>
```

Output

Result:

      Hence we successfully solved above probleem and the output verified

Ex no: 14	
Date :	**Developing a webpage using Regular Expression**

Question:1

    Write a JavaScript program to check an Aadhar number(Format :9999-9999-9999)

Aim:

    To Write a JavaScript program to check an Aadhar number(Format :9999-9999-9999)

Code:

```
<html>
<head>
<script type="text/javascript">
a=prompt("Enter aadhar nos");
is(a);
function is(str){
var creditPattern = /^\d{4}-\d{4}-\d{4}$/;
if (creditPattern.test(str)){
alert("Correct");}
else{
alert("Incorrect format");}}
</script>
</head>
```

Output:

Correct

Result:

    Hence we successfully solved above probleem and the output verified

Ex no: 14	
Date :	**Developing a webpage using Regular Expression**

Question:2

        Write a JavaScript function that checks occurence of substring in a given string

Aim:

        To Write a JavaScript function that checks occurence of substring in a given string

Code:

```
<html>
<head>
<script>
function validate(email,ph){
var email=document.getElementById("mk").value;
var ph=document.getElementById("mk1").value;
var emailp = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/;
var phone = /^\d{10}$/;
if(emailp.test(email)==1 && phone.test(ph)==1)
alert("Email and Phone Number are  correct format");
else
alert("In Correct");}
</script>
</head>
<body>
<form>
<p>Email:<input type="text" id="mk" placeholder="Enter Email">
<p>Phone Number:<input type="text" id="mk1" placeholder="Enter phone number">
<button type="button" onclick="validate()">Click Here!!!</button>
</body>
</html>
```

Output

Email: mk549841@gmail.com

Phone Number: 9092195153   Click Here!!!

Email and Phone Number are correct format

OK

Result:

       Hence we successfully solved above probleem and the output verified

Ex no: 15	**Creating XML document for given data**
Date :	

Question:1

Create XML document for the following data: Student Registration Form Name Rahul Age 16 Gender Male Course C Programming

Aim:

To Create XML document for the following data: Student Registration Form Name Rahul Age 16 Gender Male Course C Programming

Code:

```
<<?xml version="1.0" ?>
<StudentRegistrationForm>
        <name>Rahul</name>
        <Age>"16"></Age>
        <Gender>Male</Gender>
        <Course>C Programming</Course>
</StudentRegistrationForm>
</html>
```

Output

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
−<StudentRegistrationForm>
    <name>Rahul</name>
    <Age>"16"></Age>
    <Gender>Male</Gender>
    <Course>C Programming</Course>
  </StudentRegistrationForm>
```

Result:

Hence we successfully solved above probleem and the output verified

Ex no: 15	
Date :	**Creating XML document for given data**

Question:2

Check whether the following XML documents are well formed. If it is not well formed, correct the errors. <?xml version="1.0" encoding="iso-8859-1"?> <message> <email> <header> <sender>me@wipro.com</sender> <recipient>you@wipro.com</recipient> </header> <subject>Re: XML </subject> <text>I'm working on XML now. </email> </Messag

Aim:

       To Check whether the following XML documents are well formed

Code:

```
<<?xml version="1.0" encoding="iso-8859-1"?>
<message>
     <email>
          <header>
               <sender>me@wipro.com</sender>
               <recipient>you@wipro.com</recipient>
          </header>
          <subject>Re: XML </subject>
          <text>I'm working on XML now.</text>
          </email>
</message>
```

Output

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
−<message>
  −<email>
    −<header>
        <sender>me@wipro.com</sender>
        <recipient>you@wipro.com</recipient>
      </header>
      <subject>Re: XML </subject>
      <text>I'm working on XML now.</text>
    </email>
  </message>
```

Result:

       Hence we successfully solved above probleem and the output verified

Ex no: 15	
Date :	**Creating XML document for given data**

Question:3

Develop DTD for the below given XML document: <address> <name>Manju</name> <company>Wipro</company> <phone>9988776655</phone> </address>

Aim:

To Develop DTD for the below given XML document: <address> <name>Manju</name> <company>Wipro</company> <phone>9988776655</phone> </address>

Code:

```
<?xml version="1.0"?>
<!DOCTYPE note [
  <!ELEMENT address    (name,company,phone)>
  <!ELEMENT name      (#PCDATA)>
  <!ELEMENT company    (#PCDATA)>
  <!ELEMENT phone (#PCDATA)>
]>
<address>
<name>Manju</name>
<company>Wipro</company>
<phone>"9092191952"</phone>
</address>
```

Output:

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
-<address>
    <name>Manju</name>
    <company>Wipro</company>
    <phone>"9092191952"</phone>
 </address>
```

Result:

Hence we successfully solved above probleem and the output verified

Ex no: 16	
Date :	**Develop a DTD file for given XML document**

Question:1

Develop DTD file for the below given XML document:

```
<?xml version="1.0"?>
<?xml-stylesheet href="catalog.xsl" type="text/xsl"?>
<!DOCTYPE catalog SYSTEM "catalog.dtd">
<catalog>
<product description="Cardigan Sweater" product_image="cardigan.jpg">
<catalog_item gender="Men's">
<item_number>QWZ5671</item_number>
<price>39.95</price>
<size description="Medium">
<color_swatch image="red_cardigan.jpg">Red</color_swatch>
<color_swatch image="burgundy_cardigan.jpg">Burgundy</color_swatch>
</size>
<size description="Large">
<color_swatch image="red_cardigan.jpg">Red</color_swatch>
<color_swatch image="burgundy_cardigan.jpg">Burgundy</color_swatch>
</size>
</catalog_item>
<catalog_item gender="Women's">
<item_number>RRX9856</item_number>
<price>42.50</price>
<size description="Small">
<color_swatch image="red_cardigan.jpg">Red</color_swatch>
<color_swatch image="navy_cardigan.jpg">Navy</color_swatch>
<color_swatch image="burgundy_cardigan.jpg">Burgundy</color_swatch>
</size>
<size description="Medium">
<color_swatch image="red_cardigan.jpg">Red</color_swatch>
<color_swatch image="navy_cardigan.jpg">Navy</color_swatch>
<color_swatch image="burgundy_cardigan.jpg">Burgundy</color_swatch>
<color_swatch image="black_cardigan.jpg">Black</color_swatch>
</size>
<size description="Large">
<color_swatch image="navy_cardigan.jpg">Navy</color_swatch>
<color_swatch image="black_cardigan.jpg">Black</color_swatch>
</size>
<size description="Extra Large">
<color_swatch image="burgundy_cardigan.jpg">Burgundy</color_swatch>
```

```
<color_swatch image="black_cardigan.jpg">Black</color_swatch>
</size>
</catalog_item>
</product>
</catalog>
```

Aim:

       To Develop DTD file for the above given XML document:

Code:

```
<<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet href="4.xsl" type="text/xsl"?>
<!DOCTYPE catalog SYSTEM "4.dtd">

<catalog>
<product description="Cardigan Sweater" product_image="cardigan.jpg">

<catalog_item gender="Men's">
<item_number>QWZ5671</item_number>
<price>39.95</price>
<size description="Medium">
<color_swatch image="rose-blue-flower-rose-blooms-67636.jpg">Red</color_swatch>
<color_swatch image="burgundy_cardigan.jpg">Burgundy</color_swatch>
</size>

<size description="Large">
<color_swatch image="red_cardigan.jpg">Red</color_swatch>
<color_swatch image="burgundy_cardigan.jpg">Burgundy</color_swatch>
</size>
</catalog_item>

<catalog_item gender="Women's">

<item_number>RRX9856</item_number>
<price>42.50</price>
<size description="Small">
<color_swatch image="red_cardigan.jpg">Red</color_swatch>
<color_swatch image="navy_cardigan.jpg">Navy</color_swatch>
<color_swatch image="burgundy_cardigan.jpg">Burgundy</color_swatch>
</size>

<size description="Medium">
<color_swatch image="red_cardigan.jpg">Red</color_swatch>
<color_swatch image="navy_cardigan.jpg">Navy</color_swatch>
<color_swatch image="burgundy_cardigan.jpg">Burgundy</color_swatch>
<color_swatch image="black_cardigan.jpg">Black</color_swatch>
```

</size>

<size description="Large">
<color_swatch image="navy_cardigan.jpg">Navy</color_swatch>
<color_swatch image="black_cardigan.jpg">Black</color_swatch>
</size>

<size description="Extra Large">
<color_swatch image="burgundy_cardigan.jpg">Burgundy</color_swatch>
<color_swatch image="black_cardigan.jpg">Black</color_swatch>
</size>

</catalog_item>
</product>
</catalog>

Output

QWZ5671 39.95 Red Burgundy Red Burgundy RRX9856 42.50 Red Navy Burgundy Red Navy Burgundy Black Navy Black Burgundy Black

Result:

Hence we successfully solved above probleem and the output verified

Ex no: 16	
Date :	Develop a DTD file for given XML document

Question:2

Develop an XML file following the DTD file given below:

```
<!DOCTYPE TVSCHEDULE [
<!ELEMENT TVSCHEDULE (CHANNEL+)>
<!ELEMENT CHANNEL (BANNER,DAY+)>
<!ELEMENT BANNER (#PCDATA)>
<!ELEMENT DAY (DATE,(HOLIDAY|PROGRAMSLOT+)+)>
<!ELEMENT HOLIDAY (#PCDATA)>
<!ELEMENT DATE (#PCDATA)>
<!ELEMENT PROGRAMSLOT (TIME,TITLE,DESCRIPTION?)>
<!ELEMENT TIME (#PCDATA)>
<!ELEMENT TITLE (#PCDATA)>
<!ELEMENT DESCRIPTION (#PCDATA)>
<!ATTLIST TVSCHEDULE NAME CDATA #REQUIRED>
<!ATTLIST CHANNEL CHAN CDATA #REQUIRED>
<!ATTLIST PROGRAMSLOT VTR CDATA #IMPLIED>
<!ATTLIST TITLE RATING CDATA #IMPLIED>
<!ATTLIST TITLE LANGUAGE CDATA #IMPLIED>
]>
```

Aim:

To Develop an XML file following the DTD file given above

Code:

```
<?xml version="1.0"?>
<!DOCTYPE TVSCHEDULE [
<!ELEMENT TVSCHEDULE (CHANNEL+)>
<!ELEMENT CHANNEL (BANNER,DAY+)>
<!ELEMENT BANNER (#PCDATA)>
<!ELEMENT DAY (DATE,(HOLIDAY|PROGRAMSLOT+)+)>
<!ELEMENT HOLIDAY (#PCDATA)>
<!ELEMENT DATE (#PCDATA)>
<!ELEMENT PROGRAMSLOT (TIME,TITLE,DESCRIPTION?)>
<!ELEMENT TIME (#PCDATA)>
<!ELEMENT TITLE (#PCDATA)>
<!ELEMENT DESCRIPTION (#PCDATA)>
<!ATTLIST TVSCHEDULE NAME CDATA #REQUIRED>
<!ATTLIST CHANNEL CHAN CDATA #REQUIRED>
<!ATTLIST PROGRAMSLOT VTR CDATA #IMPLIED>
<!ATTLIST TITLE RATING CDATA #IMPLIED>
<!ATTLIST TITLE LANGUAGE CDATA #IMPLIED>
]>
```

```
<TVSCHEDULE NAME="vehicle launch">
 <CHANNEL CHAN="111">
  <BANNER> APACHE </BANNER>
  <DAY>
   <DATE>11/12/2019</DATE>
   <HOLIDAY> YES </HOLIDAY>
   <PROGRAMSLOT VTR="333">
    <TIME RATING="7.9">10:35a.m</TIME>
    <TITLE LANGUAGE="english"> HAHAHAH </TITLE>
    <DESCRIPTION > BIKE REVIEWS </DESCRIPTION>
   </PROGRAMSLOT>
  </DAY>
 </CHANNEL>
</TVSCHEDULE>
```

Output

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
−<TVSCHEDULE NAME="vehicle launch">
  −<CHANNEL CHAN="111">
     <BANNER> APACHE </BANNER>
   −<DAY>
      <DATE>11/12/2019</DATE>
      <HOLIDAY> YES </HOLIDAY>
    −<PROGRAMSLOT VTR="333">
       <TIME RATING="7.9">10:35a.m</TIME>
       <TITLE LANGUAGE="english"> HAHAHAH </TITLE>
       <DESCRIPTION> BIKE REVIEWS </DESCRIPTION>
      </PROGRAMSLOT>
     </DAY>
    </CHANNEL>
  </TVSCHEDULE>
```

Result:

        Hence we successfully solved above probleem and the output verified

Ex no: 17	
Date :	**Developing a XML document to avoid Naming conflits**

Question:1

Avoid Naming conflict in the following XML document:

```
<Phone>
<name>Moto E</name>
<ModelNo>123</ModelNo>
<Processor> Qualcomm Snapdragon 200 </Processor>
<Battery>2390 mAh</Battery>
</Phone>
<Phone>
<name>Beetel M71 Landline</name>
<ModelNo>456</ModelNo>
<Display>LCD Screen</Display>
<Corded>Yes</Corded>
</Phone>
```

Aim:

To Avoid Naming conflict in the above XML document:

Code:
```
<?xml version="1.0" encoding="UTF-8"?>
<Phone>
<s1:mobile xmlns:s1 = "www.google.com">
      <s1:name>Moto E</s1:name>
      <s1:ModelNo>123</s1:ModelNo>
      <s1:Processor> Qualcomm Snapdragon 200 </s1:Processor>
      <s1:Battery>2390 mAh</s1:Battery>
</s1:mobile>
<s2:mobile1 xmlns:s2 = "www.google.com">
<s2:name>Beetel M71 Landline</s2:name>
<s2:ModelNo>456</s2:ModelNo>
<s2:Display>LCD Screen</s2:Display>
<s2:Corded>Yes</s2:Corded>
</s2:mobile1>
</Phone>
```

Output

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```xml
−<Phone>
  −<s1:mobile>
     <s1:name>Moto E</s1:name>
     <s1:ModelNo>123</s1:ModelNo>
     <s1:Processor> Qualcomm Snapdragon 200 </s1:Processor>
     <s1:Battery>2390 mAh</s1:Battery>
   </s1:mobile>
  −<s2:mobile1>
     <s2:name>Beetel M71 Landline</s2:name>
     <s2:ModelNo>456</s2:ModelNo>
     <s2:Display>LCD Screen</s2:Display>
     <s2:Corded>Yes</s2:Corded>
   </s2:mobile1>
  </Phone>
```

Result:

Hence we successfully solved above probleem and the output verified

Ex no: 18	**Develop a Schema file for a given XML file**
Date :	

Question:1

Create and XSD file for the XML document given in the DTD

Aim:

To Create and XSD file for the XML document given in the DTD

Code:

```
<?xml version="1.0" ?>
<xs:schema xmlns:xs="http://www.w3.org/20001/XMLSchema.com">
<xs:element name="StudentRegistrationForm">
      <xs:complexType>
            <xs:sequence>
                  <xs:element name="name" type="xs:string"/>
                  <xs:element name="age" type="xs:int"/>
                  <xs:element name="Gender" type="xs:string"/>
                  <xs:element name="Course" type="xs:string"/>
            </xs:sequence>
      </xs:complexType>
</xs:element>
</xs:schema>
```

Output:

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
−<StudentRegistrationForm>
    <name>Rahul</name>
    <Age>"16"</Age>
    <Gender>Male</Gender>
    <Course>C Programming</Course>
  </StudentRegistrationForm>
```

Result:

Hence we successfully solved above probleem and the output verified

Ex no: 18	**Develop a Schema file for a given XML file**
Date :	

Question:2

Create an XSD file for the XML document given in the DTD

Aim:

To Create an XSD file for the XML document given in the DTD

Code:

```
<?xml version="1.0" ?>
<xs:schema xmlns:xs="http://www.w3.org/20001/XMLSchema.com">
<xs:element name="message">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="email">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element name="sender" type="xs:string"/>
                        <xs:element name="recipient" type="xs:string"/>
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
            <xs:element name="subject" type="xs:string"/>
            <xs:element name="text" type="xs:string"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:schema>
```

Output:

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
-<message>
  -<email>
    -<header>
        <sender>me@wipro.com</sender>
        <recipient>you@wipro.com</recipient>
    </header>
    <subject>Re: XML </subject>
    <text>I'm working on XML now.</text>
  </email>
</message>
```

Result:

Hence we successfully solved above probleem and the output verified

Ex no: 19	
Date :	**Develop a webpage using Flask with HTML**

Question:1

        Design the following web page using Flask with HTML and render it for the route '/details'

Aim::

        To Design the following web page using Flask with HTML and render it for the route '/details'

Code:

```
from flask import Flask, render_template
app = Flask(__name__)

@app.route('/')
def main():
   return render_template('hello.html')
if __name__ == '__main__':
   app.run(debug = True)
```

HELLO.HTML:

```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="utf-8">
 <title>Say hello</title>
</head>
<body>
<form>

<p> Title<select ><option value="volvo">Mr</option>
  <option value="saab">Mrs</option></select></p>

<p>Name <input  type='text' placeholder='Name'></p>
<p>City <input type='text' placeholder='City'></p>
<p>Country <input type='text' placeholder='Country'></p>
<p>Telephone <input type='text' placeholder='Telephone'></p>

<p>Please Inform us of your interest</p>
<input type="checkbox" name="vehicle1" value="Bike">Sports<br>
<input type="checkbox" name="vehicle2" value="Car">Music<br>
<input type="checkbox" name="vehicle3" value="Boat" >reading<br>
<input type="checkbox" name="vehicle3" value="Boat">Tv and Flim<br>

<p>Your Age</p>
<input type="radio" name="gender" value="male" checked>Less Than 25
<input type="radio" name="gender" value="female">26-40
```

```
<input type="radio" name="gender" value="other">41-65
<input type="radio" name="gender" value="other1">Over 65<br><br>
<input type="submit"  value="submit">
</body>
</html>
```

Output

Result:

       Hence we successfully solved above probleem and the output verified

Ex no: 19	
Date :	**Develop a webpage using Flask with HTML**

Question:2

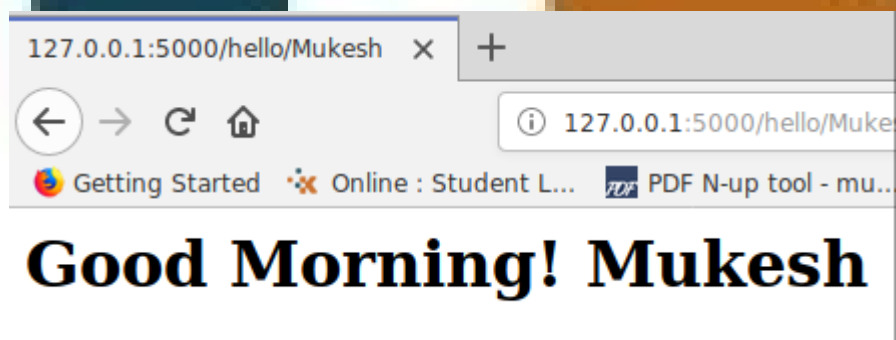Develop a web application using Flask based on the following routes:

/hello/	Return the message "Good Morning!"

Aim:

To Develop a web application using Flask based on the following routes:

Code:

```
from flask import Flask
app = Flask(__name__)
@app.route('/hello/')
def hello():
    return 'Good Morning !'
@app.route('/hello/<name>')
def hello1(name):
    return '<h1>Good Morning! %s</h1>' %name
if __name__ == '__main__':
    app.run(debug=True)
```

Output

Good Morning! Mukesh

Result:

Hence we successfully solved above probleem and the output verified

Ex no: 20	
Date :	**Develop a webpage using Flask with HTML**

Question:1

Design the following web page using Flask

Aim:

To Design the following web page using Flask

Code:
```
from flask import *
app = Flask(__name__)
app.secret_key = "mukesh"

@app.route('/')
def home():
    return render_template("home.html")

@app.route('/login')
def login():
    return render_template("login.html")

@app.route('/success',methods = ["POST"])
```

```
def success():
    if request.method == "POST":
        session['name1']=request.form['name1']
        session['age']=request.form['age']
        session['email']=request.form['email']
        session['pn']=request.form['pn']
        session['pa']=request.form['pa']
        return render_template('success.html')
@app.route('/profile')
def profile():
    name1=session['name1']
    age=session['age']
    email=session['email']
    pn=session['pn']
    pa=session['pa']
    return  render_template('profile.html',a=name1,b=age,c=email,d=pn,e=pa)
if __name__ == '__main__':
    app.run(debug = True)
```
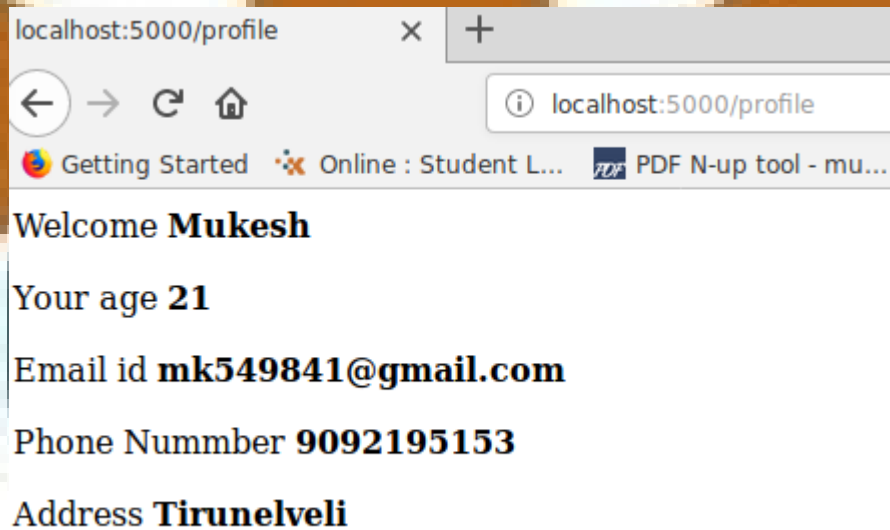
Output:

Result:

Hence we successfully solved above probleem and the output verified

Ex no: 20	
Date :	**Develop a webpage using Flask with HTML**

Question:2

> Write a JavaScript function to remove specified number of characters from a string

Aim:
> Design the HTML form given below and render it for the route '**/services'**

Code:
```
from flask import Flask, render_template
app = Flask(__name__)

@app.route('/')
def main():
   return render_template('hello1.html')
if __name__ == '__main__':
   app.run(debug = True)
```
HELLO.HTML:
```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="utf-8">
 <title>Say hello</title>
</head>
<body>
<form>
```

```
<p> Title<select ><option value="volvo">Mr</option>
   <option value="saab">Mrs</option></select></p>
<p>Name <input  type='text' placeholder='Name'></p>
<p>City <input type='text' placeholder='City'></p>
<p>Country <input type='text' placeholder='Country'></p>
<p>Telephone <input type='text' placeholder='Telephone'></p>
<p>Please Inform us of your interest</p>
<input type="checkbox" name="vehicle1" value="Bike">Sports<br>
<input type="checkbox" name="vehicle2" value="Car">Music<br>
<input type="checkbox" name="vehicle3" value="Boat" >reading<br>
<input type="checkbox" name="vehicle3" value="Boat">Tv and Flim<br>
<p>Your Age</p>
<input type="radio" name="gender" value="male" checked>Less Than 25
<input type="radio" name="gender" value="female">26-40
<input type="radio" name="gender" value="other">41-65
<input type="radio" name="gender" value="other1">Over 65<br><br>
<input type="submit"  value="submit">
</body>
</html>
```

Output:

Result:

      Hence we successfully solved above probleem and the output verified

Ex no: 21	**Desingn the given webpage using macros in jinga**
Date :	

Question:1

C*reate a webpage to print your name on the screen with every letter having a different heading size.*

(ii)Create a webpage that prints two lists with any information you want. One list should be an ordered list and the other list should be an unordered list

(iii)Create a webpage that will display an image that has a border of size 2, a width of 200px, and a height of 200px.

(iV)D*evelop a webpage to display the table having the columns (highlighted) as Decimal, English, Spanish, Korean, and Binary. Following are the data to be in each rows respective of their columns :*

Aim:

      To Create an HTML page with flask with above condition

Code:

```
from flask import Flask,render_template
from flask import *
app=Flask(__name__)

app.secret_key = "mukesh"


@app.route('/')
def login():
    return render_template("login.html")

@app.route('/success',methods = ["POST"])
def success():
    if request.method == "POST":
        session['name1']=request.form['name1']
        session['tele']=request.form['tele']
        session['email']=request.form['email']
        session['age']=request.form['age']
        session['gender']=request.form['gender']
        session['box']=request.form['box']
        return render_template('success.html')
@app.route('/profile')
def profile():
    name1=session['name1']
    tele=session['tele']
    email=session['email']
    age=session['age']
    gender=session['gender']
```

```
    box=session['box']

    return  render_template('indexpage.html',a=name1,b=tele,c=email,d=age,e=gender,f=box)
if __name__ == '__main__':
    app.run(debug=True)
```

INDEX.HTML:
```
{% from "sample.html" import w1 %}
{% from "sample.html" import w2 %}
{% from "sample.html" import w3 %}
{% from "sample.html" import w4 %}
{% from "sample.html" import w5 %}
{% from "sample.html" import w6 %}
<!DOCTYPE html>
<html>
<head>
</head>
<body>
{{w1(a)}}
{{w2(b)}}
{{w3(c)}}
{{w4(d)}}
{{w5(e)}}
{{w6(f)}}
</body>
</html>
```

Output:

Result:

Hence we successfully solved above probleem and the output verified

Ex no: 22	**Design the webpage using template inheritance**
Date :	

Question:1

D*esign a website for Ace Car Company based on the layout shown in figure [use template inheritance]:*

- Header.html – the header must contain the name of the company and a logo at the left.
- Home.html – should contain a brief description about the company.
- Cars.html – should contain a table describing at least 5 car details
- Contact.html – should contain the address, phone number, fax and email id of the company.
- Footer.html – the footer must contain a copyright information of the company.

Aim:

To Design a web page using a template inheritance

Code:

```
from flask import Flask, render_template
app = Flask(__name__)
@app.route("/")
def template_test():
    return render_template('header.html')
@app.route("/1")
def template_test1():
    return render_template('home1.html')
@app.route("/2")
def template_test2():
    return render_template('footer.html')
app.run(debug=True)
Header.html
{% extends "home.html" %}
{% block content %}

<!DOCTYPE html>
<html>
<head>
</head>
<body
{% endblock %}
</body>
</html>
```

footer.html
{% extends "contact.html" %}
{% block content %}
    <footer>
        <small>&copy; Copyright 2018, Example Corporation</small>
</footer>
{% endblock %}

Output:

To Contact

Written by *Mukesh*.
Visit us at:
https://www.nissan.in/vehicles/new/kicks/imd.html?utm_source=google&cid=psm_nissanseptemberoffer2019_awareness_google_imdbrand1&gclid=CjwKCAjw8ZHsBRA6EiwA7hw_sW_bI9MCnNrGWG8A0c4jsJza4X7jsZyFdSVa0a5o5UPfMJuiuW3YaxoCzgUQAvD_BwE
Box 564, Disneyland
USA
© Copyright 2018, Example Corporation
Go Home

Result:

      Hence we successfully solved above probleem and the output verified