



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY

APPLICATION PROGRAMMING

**Submitted to:-
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**Submitted By:-
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IT**

Experiment no. 1

Create a Home page using HTML and CSS

Procedure:-

- 1- Open HTML document text editor
- 2- Create navigation bar using <nav>
- 3- Create content using the help of <div>
- 4- Style your page using CSS

Code:-

1- HTML

```
1  <!DOCTYPE Html>
2  <html>
3  <head>
4  |   <link rel="stylesheet" type="text/css" href="style2.css">
5  </head>
6  <body>
7  <div id="header"> <h2>@rmour & $ons</h2> <div id="nav">
8  |   <a href="#">Home</a>
9  |   <a href="#">About</a>
10 |   <a href="#">Jobs</a>
11 |   <a href="#">Services</a>
12 |   <a href="#">Contact-us</a>
13 </div id="nav"></div>
14 </body>
15 </html>
```

2- CSS

```
body
{
    background-image: url('back.jpg');
    background-size: cover;
    background-repeat: no-repeat;
}
#header h2{
    color: ■ white;
    display: inline;
    font-size: 200%;
}
#header #nav{
    padding-right: 10%;
    float: right;
    text-decoration: none;
```

```

}
#header #nav a{
    padding: 20px 30px 20px 30px;
    text-decoration: none;
    color: ■ white;
    font-size: 130%;
    border: 0px solid ■ white;
    font-family: comic sans ms;
}
a:hover{
    background-color: ■ aquamarine;
    border-radius: 20px;
    text-decoration-color: □ black;
    padding: 10px 30px 10px 30px;
    font-family: comic sans ms;
}
```

Result:-

@rmour & Sons

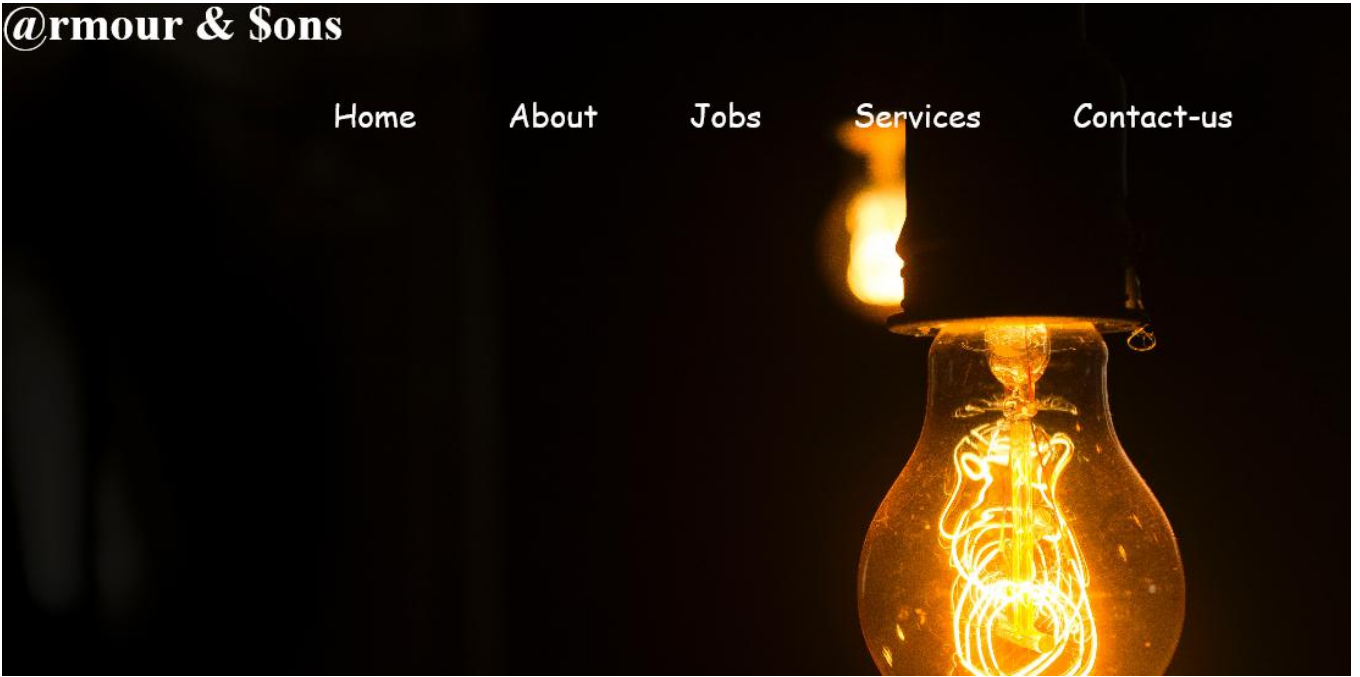
[Home](#)

[About](#)

[Jobs](#)

[Services](#)

[Contact-us](#)



Experiment no. 2

Create your own Profile page using HTML and CSS

Procedure-

- 1-open HTML text editor
- 2-Create navigation bar using <nav> tag
- 3-Divide your page in divisions using <div> tag
- 4-Write details about yourself
- 5-Use CSS styling to make effective

Code:-

1- HTML:

```
<!DOCTYPE html>
<html>
  <head>
    <title>my web page</title>
    <link rel="stylesheet" type="text/css" href="webstyle.css">
  </head>
  <body>

    <div id="header">

<div id="nav">
  <a href="#">Home</a><a href="#">Admission</a><a href="#">Academics</a><a href="#">Placement<
</div>
  </div>
  <div id="d1">
    
    <br>
```



```

<p class="para"><b>Parangat Bindal</b></p>
<p class="para"><b>B-TECH</b></p>
<p class="para"><b>1<sup>st</sup>year</b></p>
<p class="para"><b>Information Technology</b></p>
<p class="para"><b>E-mail:</b><br><a href="#" style="text-decoration: none;">parangat b
<p class="para"><b>Ph no:</b>xxxxxx4647</p><hr>
<div style="background-color: #c0c0c0; border:0.5px solid black; padding: 2px;" >
<h3 align=center style="font-size: 130%;">About me</h3>
<p class="para" style="text-align: justify;" >I'm parangat from <i>AGRA</i> getting adm
</div></div>
<div id="d2">
  <h3 align=center style="font-size: 160%;"><b>Formation</b></h3><hr>
  <p style="font-size: 120%;">
    Prior to 2010, the IIITs at Gwalior, Allahabad, Jabalpur and Kancheepuram were s
    In 2010 the Indian Institutes of Information Technology Bill 2010 was introduce
    In 2015, a fifth institute was set up by the MHRD in Kurnool, as part as the go

```

```

  <br>
<br>
<br><br><br> </div>
  <div id="d3">
    <h3 style="font-size: 160%;" align=center>Assignment Details</h3> <hr>
    <h3>Submitted to</h3>
    <p class="para2">Mohammad Aquram Sir</p>
    <h3>Submitted by</h3>
    <p class="para2">Parangat Bindal</p>
    <h3>Subject</h3>
    <p class="para2">Application Programming</p>
    <h3>Project</h3>
    <p class="para2">Formation of web page</p>

```

```

  <p class="para2">Formation of web page</p>

  <p class="para2"><b>To know more</b><br><br><a href="#" style="text-decoration: none;">
  <div style="background-color: #c0c0c0; border: 0.5px solid black; padding: 2px;">
    <h3>Supporting Partners</h3>
    <ul style="font-size: 120%; text-align: initial;"><li>Flipkart</li><li>BAJAJ</li>
  <p>all the above mention partners are sponsors </p>
  </div>
</div>

</body>
<footer>
  

```

2- CSS:-

```
body{
    margin: 0px;
}
#header{
}
#header #nav{
    font-size: 130%;
    padding:20px 0px 20px 0px;
    background-color: black;
    float:left;
    width:100%;
}
#header #nav a{
    padding:20px 49px 20px 52px;
    margin-left: 0px;
```

```
text-decoration: none;
color: blanchedalmond;
border-left: 1px solid gray;
}
#header #nav a:hover{
    background-color: #BDBDBD;
    color:black;
    border:0.5px solid black;
}
#d1{
    height:100%;
    width:20%;
    float:left;
    padding: 10px 10px 10px 10px;
    box-shadow:0px 0px 30px black;
    margin-top: 10px;
```

```

}
#d1 .para{
  text-align:center;
  font-size:120%;
}
#d2{
  height:100%;
  width:54.5%;
  float:left;
  margin-left: 10px;
  background-image:linear-gradient(to bottom,  ■rgb(82, 123, 236),■beige);
  margin-top: 10px;
  padding-left: 10px;
  padding-right: 10px;
  text-align: justify;
}

```

```

}
#d3 .para2{
  font-size: 120%;
  text-align: center;
}
#d3 h3{
  font-size: 130%;
  text-align: center;
}
footer{
  min-width: 100%;
  background-color: ■white;
  height:60px;
  float:left;
}

```



```

footer{
    min-width: 100%;
    background-color: white;
    height:60px;
    float:left;
}
footer img{
    background: cover;
}

```

Result:-



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY SONEPAT

भारतीय सूचना प्रौद्योगिकी संस्थान, सोनीपत

(An Institute of National Importance under an Act of Parliament)

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Parangat Bindal

B-TECH

1st year

Information Technology

Formation

Prior to 2010, the IIITs at Gwalior, Allahabad, Jabalpur and Kancheepuram were set up by the Ministry of Human Resource Development (MHRD). In 2010 the Indian Institutes of Information Technology Bill 2010 was introduced in Lok Sabha. The bill sought to grant the status of Institutes of National Importance (INI) upon the four IIITs. After much debate and changes, the bill was passed by the Parliament on December 1, 2014 and published as the Indian Institutes of Information Technology Act, 2014 on 8 December 2014, coming into effect on 5 January 2015. In 2015, a fifth institute was set up by the MHRD in Kurnool, as part as the government obligation under the Andhra Pradesh Reorganisation Act, 2014. The Indian Institutes of Information Technology (Amendment) Act, 2017 granted the INI status to the Kurnool institute. Besides the above fully government funded IIITs, in 2010 the Union Cabinet approved a scheme for setting up twenty more IIITs, based on the public-private partnership (PPP) model, funded by the central government, state governments and industry partners in the ratio 50:35:15. As of

Assignment Details

Submitted to
Mohammad Aquram Sir

Submitted by
Parangat Bindal

Subject
Application Programming

Project

Experiment no. 3

Write a program to print square of number(JS)

Procedure:-

- 1-Open HTML text editor
- 2-Open script tag and write the logic
- 3-Print result using document.write

Code:-

1-HTML+JS

```
<!DOCTYPE html>
<html>
<head>
<title>squaring of numbers</title>
<script type="text/javascript">

    document.write("<h2>squaring of the number is</h2>");
    for(var a=1;a<=50;a++)
    {
        document.write("<h3>"+(a*a)+"</h3>");
    }

</script>
</head>
<body>

</body>
</html>
```

Result:-

squaring of the number is

1
4
9
16
25
36
49
64
81
100
121
144
169
196
225
256
289

Experiment no. 4

Write a program to print rolling of dice 30 times (JS)

Procedure:-

- 1-Open HTML text editor
- 2-Open script tag and write the logic
- 3-Print result using documnet.write

Code:-

1- HTML + JS

```
<!DOCTYPE html>
<head>
  <title>dice rolling</title>
</head>
<body>
  <h2>Rolling of dice 30 times</h2>
  <button onclick="dice()">Result</button>
  <script>
    function dice()
    {
      for(i=0;i<30;i++)
      {
        var x=Math.floor((Math.random()*6)+1);
        document.write(" "+ x + " ");
      }
    }
  </script>
</body>
```

Result:-

Rolling of dice 30 times

Result

4 1 6 4 1 4 3 3 6 6 5 6 2 3 3 5 4 4 1 3 1 2 6 2 2 1 5 2 1 4

Experiment no. 5

Write a program to create a form page using HTML, JS, PHP,CSS

Procedure:-

- 1-Open a HTML text editor
- 2-Create a HTML page and write a code
- 3-Styling by CSS
- 4-Insert required javascript code
- 5-Insert PHP

Code:-

1- HTML:-

```
<!doctype html>
<html>
  <head>
    <title>form submission</title>
    <link type="text/css" href="registrationform.css" rel="stylesheet">
    <script type="text/javascript" src="registration form.js"></script>
  </head>
  <body>
    <div id="maindiv">
      <div id="divheading">
        <h1>Registration Form</h1><hr>
      </div>

      <div id="error_message">

      </div>
      <form action="registration form.php" id="myform" method="post" onsubmit="return va
<div class="input">
    <b >First Name:</b><br>
    <input type="text" id="first name" name="fname" style="width:60%;font-Size:15px; border:
  </div>
  <div class="input">
    <b>Last Name:</b><br>
    <input type="text" id="last name" name="lname" placeholder="Enter name" style="width:60%;
  </div>
  <div class="input">
```

```

<div class="input">
  <b>First Name:</b><br>
  <input type="text" id="first name" name="fname" style="width:60%;font-Size:15px; border
</div>
<div class="input">
  <b>Last Name:</b><br>
  <input type="text" id="last name" name="lname" placeholder="Enter name" style="width:60%;
</div>
<div class="input">
  <b>Email:</b><br>
  <input type="text" id="email" name="email" placeholder="Enter email-id" style="width:60%;
</div>
<div class="input">
  <b>University Name:</b><br>
  <input type="text" id="uni name" name="uname" placeholder="Enter Uni name" style="width:6
</div>
<div class="input">
  <b>Gender:</b><br>
  <input type="radio" name="gender" id="male" value="male">Male
  <input type="radio" id="female" value="female" name="gender">Female<br><br>
</div>
<div class="input">
  <b>Date Of Birth:</b><br>
  <input type="text" id="dob" name="dob" placeholder="dd-mm-yyyy" style="width:15%;font-Si
</div>

```

```

<div class="input">
  <b>Address:</b><br>
  <input type="text" id="address" name="address" placeholder="Enter address" style="width:60%;
</div>
<div class="input">
  <b>Phone Number:</b><br>
  <input type="number" placeholder="Enter number" id="number" name="number" style="font-S;
</div>

<div class="input">
  <b>District</b>
  <select name="city">
    <option>Agra</option>
    <option>Raibareli</option>
    <option>Jaipur</option>
    <option>Sonapat</option>
    <option>Lucknow</option>
  </select>
  <b>State</b>
  <select name="state">
    <option>Uttar Pradesh</option>
    <option>Rajasthan</option>
    <option>Uttarakhand</option>
    <option>Maharashtra</option>
    <option>Madhya Pradesh</option>
  </select>

```

2- CSS:-

```
body{
    background-image: linear-gradient(to right top, #dcecf1, #b8dff6, #9fcefe, #9cb9ff,
}
#maindiv
{
    width: 60%;
    margin:250px 250px 250px 250px;
    background-color: cadetblue;
    border: 1px solid black;
    position:absolute;
    background-image: linear-gradient(to right top, #dcecf1, #b8dff6, #9fcefe, #9cb9ff,
    box-shadow:1px 1.5px black;
}
#maindiv #error_message
{
    font-size:20px;
    font-weight:bold;
    text-align:center;
    padding:0px;
    background-color: red;
}
#maindiv #divheading
```

```
#maindiv #divheading
{
    text-align: center;
    font-weight: bold;
}
#maindiv .input{
    margin:10px;
    margin-left:15px;
    font-size:20px;
}
#maindiv #btn{
    margin-left:170px;
    text-align:center;
    background-image: linear-gradient(to right top, #dcecf1, #b8dff6, #9fcefe, #9cb9ff,
    padding:2px 2px 2px 2px;
    margin-top:0px;
    border:1px solid black;
    box-shadow:1px 1px black
}
```

3- Javascript:-

```
function validate()
{
    var firstname=document.getElementById("first name").value;
    var lastname=document.getElementById("last name").value;
    var email=document.getElementById("email").value;
    var universityname=document.getElementById("uni name").value;
    var dob=document.getElementById("dob").value;
    var address=document.getElementById("address").value;
    var number=document.getElementById("number").value;

    error_message.style.padding= "20px";
    if(firstname.trim().length < 3)
    {
        error_message.innerHTML="Please Enter the correct first name";
        document.getElementById("first name").style.border="1.2px solid red";
        return false;
    }
    if(lastname.trim().length < 4 )
    {
        error_message.innerHTML="Please Enter the correct last name";
        document.getElementById("last name").style.border="1.2px solid red";
        return false;
    }
    if(email.trim().length < 6)
    {
        error_message.innerHTML="Please Enter the correct email";
        document.getElementById("email").style.border="1.2px solid red";
        return false;
    }
    if(address.trim().length < 10)
    {
        error_message.innerHTML="Please Enter the correct address";
        document.getElementById("address").style.border="1.2px solid red";
        return false;
    }
    if(isNaN(number) || number.trim().length != 10)
    {
        error_message.innerHTML="Please Enter the correct phone number";
        document.getElementById("number").style.border="1.2px solid red";
        return false;
    }
    return true;
}
```


Result:-

Registration Form

First Name:

Last Name:

Email:

University Name:

Gender:

☐ Male ☐ Female

Date Of Birth:

Address:

Phone Number:

District **State** **Country**

Submit

Experiment no. 6

Write a program for username validation using (JS)

Procedure:-

- 1:-Open HTML text editor
- 2:-Write HTML and JS code
- 3:-Print result using document.write

Code:-

1-HTML+JS:-

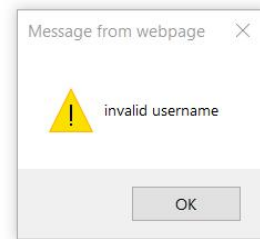
```
<head>
<title>username validation</title>
<script>
    function validate()
    {
        var text= document.getElementById("username").value;
        var regx= /^[a-zA-Z0-9 ]{6,20}([a-zA-Z0-9]{2,15})?$/;

        if(regx.test(text))
        {
            alert("valid username");
        }
        else
        {
            alert("invalid username");
        }
    }
</script>
</head>
<body>
<p>Enter the username</p>
<form>
<input type="text" placeholder="username" id="username">
<button type="submit" onclick="validate()" id="btn">click me</button>
<p>Note: username should atleast contain 6 characters.</p>
</form>
</body>
```

Result:-

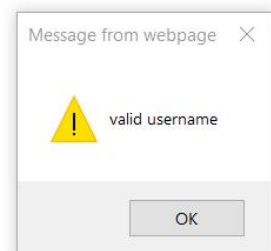
Enter the username

Note: username should atleast contain 6 characters.



Enter the username

Note: username should atleast contain 6 characters.



Experiment no. 7

Write a program to print the sum of n natural number using python

Procedure:-

- 1:- Download any python supporting compiler
- 2:- Download python supporting text editor
- 3:- Write a python code using loop
- 4:- Print the output

Code:-

Python:-

```
#while loop using in python

# ques- to print the sum of n natural numbers

#program
user= int(input("enter the number: "))
i=0
total=0
while i<=user :
    total= total + i
    i=i+1
print(total)
```

Result:-

```
PS F:\dekstop item\html\pythonwork> & C:/Users/hrithvi  
enter the number: 20  
210  
PS F:\dekstop item\html\pythonwork> █
```

```
enter the number: 50  
1275  
PS F:\dekstop item\html\pythonwork> █
```

```
enter the number: 100  
5050  
PS F:\dekstop item\html\pythonwork> █
```

Experiment no.8

Write a program to print the sum of all variables in a number using python

Procedure:-

- 1:- Download any python supporting compiler
- 2:- Download python supporting text editor
- 3:- Write a python code to print the total using loop
- 4:- Print the output

Code:-

Python:-

```
#ques- sum of all the variables "1256" as 1+2+5+6 = 14
# program
user = input("enter the number: ")
i=0
total=0
while i < len(user):
    total= total +int(user[i])
    i=i+1
print(total)
```


Result:-

```
enter the number: 1256
14
PS F:\dekstop item\html\pythonwork> 
```

```
enter the number: 78945
33
PS F:\dekstop item\html\pythonwork> 
```

```
enter the number: 25643
20
PS F:\dekstop item\html\pythonwork> 
```