



Post Graduate Government College Sector 11, Chandigarh



PRACTICAL FILE FOR FUNDAMENTAL WEB PROGRAMMING

SUBMITTED TO

()

SUBMITTED BY

NAME:-

ROLL NO:-

CLASS:- BCA IST

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BASIC STRUCTURE OF HTML

<html>

<head>

<title>

FIRST PAGE

</title>

</head>

<body>

WELCOME TO

</html>

MY FIRST PAGE

</body>

PARAGRAPH BREAKS

```
<html>
```

```
<head>
```

```
<title>
```

```
</title>
```

```
</head>
```

```
<body>
```

```
<p>
```

Lorem ipsum dolor sit **
**amet consectetur adipisicing elit. Unde amet incidunt, **
rem dolores, soluta odit quibusdam officiis modi veritatis illo
** nobis earum eligendi quam? Eos incidunt ullam voluptas?**
** Officia, vel? Ut ratione voluptatibus praesentium.amet consectetur adipisicing elit. Unde amet incidunt, rem dolores,**
** soluta odit quibusdam officiis modi**
** veritatis illo nobis earum eligendi quam? Eos incidunt ullam voluptas? Officia, vel? Ut **
** ratione voluptatibus praesentium.

```
</p>
```

```
</body>
```

```
</html>
```

HEADING STYLE

```
<html>
```

```
<head>
```

```
<title>
```

```
</title>
```

```
</head>
```

```
<body>
```

```
<h1>Heading 1</h1>
```

```
<h2>Heading 2</h2>
```

```
<h3>Heading 3</h3>
```

```
<h4>Heading 4</h4>
```

```
<h5>Heading 5</h5>
```

```
<h6>Heading 6</h6>
```

```
</body>
```

```
</html>
```

DRAWING LINE

```
<html>
```

```
<head>
```

```
<title>
```

```
</title>
```

```
</head>
```

```
<body>
```

This type of work making me fool

```
<hr size="10" width="60%" color="green">
```

To make life better

```
</body>
```

```
</html>
```

**TEXT STYLES(BOLD,ITALICS AND
UNDERLINE)**

<html>

<head>

<title>HTML b, i, and u tags</title>

</head>

<body>

Hi HTML!

Hi HTML!

Hi <i>HTML!</i>

Hi HTML!

Hi <u>HTML!</u>

Hi <ins>HTML!</ins>

Hi<center>HTML!</center>

</body>

</html>

<html>

IMAGES TAG

<head>

<title>

</title>

</head>

<body>

</body>

</html>

**UNORDERED
LIST**

<html>

```
<head>

<title>

</title>

</head>

<body>

<ul>

<li><a href="#home">Home</a></li>

<li><a href="#news">News</a></li>

<li><a href="#contact">Contact</a></li>

<li><a href="#about">About</a></li>

</ul>

</body>

</html>
```

ORDERED LIST

```
<html>
```

<head>

```
<title>

</title>

</head>

<body>

  <ol>

    <li>Coffee</li>

    <li>Tea

      <ol>

        <li>Black tea</li>

        <li>Green tea</li>

      </ol>

    </li>

    <li>Milk</li>

  </ol>

</body>

</html>
```

DEFINATION LIST

```
<html>

<head>
```

```
<title>

</title>

</head>

<body>

  <dl>

    <dt>Bread</dt>

    <dd>A baked food made of flour.</dd>

    <dt>Coffee</dt>

    <dd>A drink made from roasted coffee
beans.</dd>

  </dl>

</body>

</html>
```

GRAPHICS TO HTML USING BORDER, WIDTH HEIGHT, ALIGN,ALT ATTRIBUTES

```
<html>
```

```
<head>
```

```
<title>
```

```
</title>
```

```
</head>
```

```
<body>
```

```

```

```
</body>
```

```
</html>
```

TABLES IN HTML

```
<html>
```

```
<head>
```

```
<titile> class</title>
```

```
<body>
```

```
<table border="4" width="40%" height="40%"  
cellspacing="5" cellpadding="">
```

```
<tr bgcolor="red">    <th>Roll No.</th>
```

```
    <th>Age</th>
```

```
    <th>Name</th>
```

```
</tr>
```

```
<tr>
```

```
    <td
```

```
colspan="2"><center><marquee>Table</marquee>
```

```
</center></td>
```

```
    <td><center>2</center></td>
```

```
</tr>
```

```
<tr>
```

```
    <td rowspan="2"><center>4 </center></td>
```

```
    <td ><a
```

```
href="one.html"><center>5</center></td></a>
```

```
    <td><center>6</center></td>
```

```
</tr>
```

```
<tr >
```

```
    <td><center>7 </center></td>
```

```
    <td><center>8</center></td>
```

```
</tr>
```

```
<tr >
```

```
  <td ><center>1 </center></td>
```

```
  <td><center>2</center></td>
```

```
  <td><center>3</center></td>
```

```
</tr>
```

```
</table>
```

```
</body>
```

```
</head>
```

```
</html>
```

ANCHOR TAG

```
<html>
```

```
  <head>
```

```
    <title>
```

</title>

</head>

<body>

<center> Google<
/a></center>

</body>

</html>

EXTERNAL DOCUMENT

<html>

<head>

<title>External linking</title>

```
<link rel="stylesheet" type="text/css"
href="first.css">
    <link rel="stylesheet" type="text/css"
href="second.css">

</head>
<body>
    <h1>Do it</h1>
    <a href="one.html">Link</a>
</body>
</html>
```

INTERNAL LINKING

```
<html>
  <head>
    <title>Internal linking</title>

  </head>
  <body>
    <a href="#lesson1">Lesson.1</a><br />
```

```
<a href="#lesson2">Lesson.2</a><br />
<br />
<a id="lesson1">Introduction of Lesson.1</a>
  <p>This is sub topic.1</p>
  <p>This is sub topic.2</p>
  <p>This is sub topic.3</p>
  <p>This is sub topic.4</p>
  <br />
  <br />
  <div id="lesson2">Introduction of Lesson.2</div>
    <p>This is sub topic.1</p>
    <p>This is sub topic.2</p>
    <p>This is sub topic.3</p>
    <p>This is sub topic.4</p>
    <br />
```

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

IMAGES MAP

```
<html>
  <head>
    <title>
    </title>
  </head>
  <body>
```

```

  <map name="workmap">
    <area shape="rect"
coords="34,44,170,250" alt="Computer"
href="computer.htm">
    <area shape="rect"
coords="190,72,233,150" alt="Phone"
href="phone.htm">
    <area shape="circle"
coords="237,200,44" alt="Coffee"
href="coffee.htm">
  </map>
</body>
</html>
```

FRAMES

```
<html>
<head>
<title>do</title>

<frameset cols="50%,*">
```

```
</a><frame src="frame.html" ></a>
```

```
<frame src="" name="Ok">
```

```
</frameset>
```

```
</head>
```

```
</html>
```

CASCADING STYLE SHEET (CSS)

```
<html>
```

```
  <head>
```

```
    <title>This is css</title>
```

```
    <style type="text/css">
```

```
      .my{font-size: large;background-color: aqua;  
font-family: 'Courier New', Courier, monospace;}
```

```
.ok{font-size: small;background-color: green;}

</style>
</head>
<body><br><br><br>

<h1>Welcome</h1>

<h1 class="ok my">This is</h1>
<a>Link</a>
</body>
</html>
```

FORM

```
<html>
  <head>
    <title>
    </title>
    <style>
      *{
        box-sizing: border-box;
```

```
padding: 7px;
```

```
margin: 6px;
```

```
}
```

```
input{
```

```
width: auto;
```

```
height: 20px;
```

```
text-align: center;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body bgcolor="aqua">
```

```
<form >
```

```
Name: <input type="text"><br>
```

```
password: <input type="password" ><br>
```

```
Email: <input type="email"><br>
```

```
Date: <input type="date"><br>
```

```
Time: <input type="time"><br>
```

```
Color: <input type="color"><br>
```

```
Checkbox: <input type="checkbox"><br>
```

```
file: <input type="file" ><br>
```

Submit: <input type="submit">

Reset: <input type="reset">

Search: <input type="search">

Radio: <input type="radio" >

Range: <input type="range" min="1"
max="100" value="20" >

Image: <input type="image"
src="download.jpg">

Button: <input type="button" value="Go"

>

</form>

</body>

</html>

JAVASCRIPT INTO HTML

<html>

<head>

<title>

</title>

</head>

```
<body>

    Javascript <br><br>

</body>

<script>

    document.write("This is JavaScript");

</script>

</html>
```

DATA TYPES IN JAVA SCRIPT

```
<html>
  <head>
    <title>
    </title>
  </head>
  <body>
    Javascript <br><br>
  </body>
  <script>
```

```
document.write("This is JavaScript\n");
```

```
var a = 35;  
var s = " welcome ";  
var m;  
var e = null;  
console.log(a);  
console.log(s);  
console.log(m);  
console.log(e);
```

```
</script>
```

```
</html>
```

OPERATIONS IN JAVASCRIPT

```
<html>
```

```
  <head>
```

```
    <title>
```

```
  </title>
```

```
</head>
```

```
  <body>
```

```
    Javascript <br><br>
```

```
  </body>
```

```
<script>
```

```
document.write("This is  
JavaScript\n");
```

</html>

```
v  
a  
r  
a  
=  
3  
5  
;  
v  
a  
r  
b  
=  
2  
3  
;  
v  
a  
r  
c
```

```

;                                n
c = a+b;    // c = a-b;        s
// c = a*b;    // c = a/b;    o
// c = a%b;    //             l
c = a==b;    e
/
/                                .
/                                l
c                                o
=                                g
a                                (
=                                c
b                                )
;                                ;
c                                </script>
o

```

CONTROL CONSTRUCTS

```
<html>
```

```
  <head>
```

```
    <title>
```

```
    </title>
```

```
  </head>
```

<body>

 Javascript

</body>

<script>

```
document.write("This is JavaScript\n");

//while loop
var count = 0;
document.write("Starting Loop" + "<br/>");
do{
    document.write("Current Count : " + count +
"<br/>");
    count++;

}while (count < 0);
document.write("Loop stopped!");
// if else statement
var age = 20;
if( age > 18 ){
    document.write("<b>Qualifies for
driving</b>");}

// switch statement
var grade='A';
document.write("Entering switch block<br/>");
switch (grade) {
    case 'A': document.write("Good job<br/>");
```

```
break;  
case 'B': document.write("Pretty good<br/>");  
break;
```

```
case 'C': document.write("Passed<br/>");  
  
    break;  
case 'D': document.write("Not so good<br/>");  
    break;  
case 'F': document.write("Failed<br/>");  
    break;  
default: document.write("Unknown  
grade<br/>")} document.write("Exiting switch  
block");  
</script>  
</html>
```

STRING ARRAYS IN JAVASCRIPT

```
<html>  
  <head>  
    <title>  
    </title>  
  </head>  
    <body>  
      Javascript <br><br>  
    </body>  
    <script>
```

```
document.write("This is JavaScript\n");
```

```
let a = ["aakash", "Ravi", "Karan"]  
document.write(a);
```

```
</script>
```

```
</html>
```

FUNCTION IN JAVASCRIPT

```
<html>
```

```
  <head>
```

```
    <title>
```

```
    </title>
```

```
  </head>
```

```
    <body>
```

```
      Javascript <br><br>
```

```
    </body>
```

```
    <script>
```

```
      document.write("This is JavaScript\n");
```

```
var a = myfunction(2,6)
```

```
function myfunction(a,b){  
    return a+b  
}
```

```
document.write(a)  
</script>
```

```
</html>
```

EVENT HANDLING

```
<html>  
  <head>  
    <title>  
  </title>  
  <style>
```

```
#button{  
  color: red;
```

background-color: aqua;
width: 100px;
height: 30px;

```
border-radius: 8px;

cursor: pointer;
}
</style>
</head>
<body>
<h1> This</h1>
<p id="para" > Lorem ipsum dolor sit amet
consectetur adipisicing elit. Dolore amet nobis in
sint pariatur non doloribus veritatis debitis, minus
praesentium! Voluptas cumque numquam fugit
quisquam dolorum quod iste minima, voluptatem
magni dolores aliquid dolor.
</p>
<button id="button"
onclick="toggleHide()">show</button>
<script src="JavaScript.js">

</script>
</body>

</html>
```

NEVIGATION THE DOM

```
<html>
```

```
  <head>
```

```
    <title>
```

```
  </title>
```

```
</head>
```

```
  <body>
```

```
    <div class="make" id="Add">
```

```
      <ul id="nav">
```

```
        <li>Aakash</li>
```

```
        <li>Karan</li>
```

```
<li>Ravi</li>
```

```
<li>vikas</li>
```

```
</ul>
```

```
</div>
```

```
<div class="make">
```

```
  second one
```

```
</div>
```

```
</body>
```

```
<script>
```

```
  let Add =
```

```
document.getElementById('Add');
```

```
  console.log(Add);
```

```
  let nav = document.getElementById('nav')
```

```
    console.log(nav);
```

```
    let make =
```

```
document.getElementsByClassName('make')
```

```
  console.log(make)
```

```
  let sel =
```

```
document.querySelectorAll('#nav>li')
```

```
  console.log("Return",sel)
```

</script>

</html>

VALIDATION CONTROL

```
<html>
```

```
<head>
```

```
<meta name="viewport"  
content="width=device-width, initial-scale=1">
```

```
<title>
```

```
</title>
```

```
<link rel="stylesheet" type="text/css"  
href="login.css">
```

```
<link rel="stylesheet"
```

```
href="https://cdnjs.cloudflare.com/ajax/libs/font-  
awesome/4.7.0/css/font-awesome.min.css">
```

```
</head>
```

```
<body>
```

```
<form class="form-container"  
onsubmit="return validate()">
```

```
<p id="error"></p>
```

```
<h3>Login</h3>
```

```
<div class="form-grp">
```

```
<label  
for="username">Username</label><br>
```

```
<input type="text" name="username"  
placeholder="Username" id="user">
```

```
<i class="fa fa-times u_times"></i>
```

```
<i class="fa fa-check u_check"></i>
```

```
</div>
```

```
<div class="form-grp">
```

<label

for="password">Password</label>

<input type="password" name="password"
placeholder="password" id="pass">

<i class="fa fa-times p_times"></i>

<i class="fa fa-check p_check"></i>

</div>

<div class="form-grp">

Gender

<input type="radio" value="M"
name="rd_gender" checked>M

<input type="radio" value="F"
name="rd_gender">F

</div>

<div class="form-grp">

<input type="submit" name="login-btn"
value="Login" class="submit" >

</div>

```
</form>
```

```
</body>
```

```
<script>
```

```
    var user =  
document.querySelector('#user');  
    user.addEventListener('keyup',function(){  
        var u_times =  
document.querySelector('.u_times');  
        var u_check =  
document.querySelector('.u_check');  
        if(user.value.length == 0 || user.value.length<6){  
            user.style.border = '1px solid red';  
            u_times.style.display = 'block';  
            u_check.style.display = 'none';  
            return false;  
        }  
        else {  
            user.style.border = '1px solid green';
```

```
    u_times.style.display = 'none';

    u_check.style.display = 'block';
}
})

var pass = document.querySelector('#pass');
pass.addEventListener('keyup',function(){

    var p_times =
document.querySelector('.p_times');

    var p_check =
document.querySelector('.p_check');

    if(pass.value.length == 0 || pass.value.length<8){

        pass.style.border = '1px solid red';

        p_times.style.display = 'block';

        p_check.style.display = 'none';

        return false;

    }

    else {
```

```
pass.style.border = '1px solid green';

p_times.style.display = 'none';
p_check.style.display = 'block';
}
})

function validate(){
    if(user.value == 0 || user.value.length<6){
        document.getElementById('error').innerHTML
= 'Please fill the required fields!';

        return false;

    }else if(pass.value == 0 || pass.value.length<8){

        document.getElementById('error').innerHTML
= 'Please fill the required fields!';

        return false;

    }else{
```

```
alert('Successfully logged in');
```

```
}  
  
}  
  
    </script>  
</html>
```

MATH OBJECT IN JAVASCRIPT

```
<html>  
  <head>  
    <title>  
    </title>  
  </head>  
    <body>  
      <div class="math">  
        This is math  
      </div>  
    </body>  
    <script>
```

```
let m = Math;
```

```
console.log(m)
```

```
let a = 35.3453;
```

```
let b = 25;
```

```
console.log("The value of a and b is",a,b)
```

```
console.log("The value of a and b round  
is",Math.round(a),Math.round(b))
```

```
console.log(Math.pow(3,2))
```

```
console.log(Math.sqrt(64));
```

```
console.log(Math.log(4));
```

```
console.log(Math.clz32(10));
```

```
console.log(Math.min(1,3,6));
```

```
let r = Math.random(3);
```

```
console.log(r)
```

```
</script>
```

```
</html>
```

