**Instruction for XHTML & CSS**

\* LHS – Left Hand Side, M – Middle, RHS – Right Hand Side.

\* T – Top, C – Center, B – Bottom.

<!DOCTYPE html PUBLIC "-//W3C//DD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

XTHML – basics needed to add all building blocks required items to webpage, e.g. images, paragraphs, tags….

CSS (Cascading Style Sheet) – Makes its more pretty, designer!!

Tutorial #1(Notepad++ install), #2,#3 (headers and body), #4 (paras line breaks), #5(Bold, Italics and Comments), #6 adding web links,#7 Creating link within the same page, #8 Email Link, #9 Images to webpage, #10 :

All website are made of tags (website = {tag1 + tag2 + … + tagN}). If you want to put a picture on a website you need to create a picture tag, and so on. To create a tag you use <>. For example <p> for paragraph, <img> for image. There are three types of tags (opening<\_>, closing </\_>, special<\_ />)

Every website has a key tag given as <!doctype html> and every website uses it.

Webpage = head(info for search engines) + body (the stuff that you see on webpage).

Header <h1> = it basically a bold big title and it comes in 6 different sizes header1, header2, header3…. header6.

Attributes = is similar to handles in Matlab i.e. property value, such as href=””, title=””.

--------------------------- XHTML

<html>//This is the webpage develop start call, everything goes in between the start and end of <html>

<head>//This is where the title of the webpage, for search engine info goes in

<title> </title> ///title of the webpage

</head> <!-- This is how you commment -->

<body> // This is where all webpage layout goes in

<p> </p>//create a paragraph

<hr/> //SPECIAL TAG:horizontal line to separate sections,

<strong>// bold the text,

<em>//emphasis or italics

<br /> // SPECIAL TAG:to create a line break, just like a paragraph or next line in C++

/// \*\*\*\* Whenever you want to link something use “anchor” and its attributes \*\*\*\*///

<a href=” ” title=” ”> //this is anchor which links to other webpages with attribute “href”means hyperlink reference and “title” is a tool tip that gives a small info when you hover mouse over the link.

<a name=”section\_ref\_name”> // (part2) Anchoring within a webpage and in the top part list it as follows

<a href=”#section\_ref \_name”> Preffered short name</a>// (part1) this goes top part of webpage

<a href=”mailto:your\_email@adress”> </a>//link to email address

<img src="" height = “”/> //single tag to load image, where “src” is the name of the source file and “height” is the re-sizing of a giving image!!

<table border=”1” width = “ “ cellpadding = “” cellspacing = “ ”>//tag to create table, “border” attribute which tells how thick is the table lines;”width” tells the width of the table in terms of (pixels,percentage->auto-resizing!!);” cellpadding” makes spacious entries in each column/row;”cellspacing” space between the cells;

<tr>First Row <td> First Column</td></tr><tr>Second Row</tr>///tr= table row, td=table data(column)

<th colspan=”2”> ///Headers for table, which are bold and center. The attribute ‘colspan’ signifies how many columns so you want to span the data across!

<ul> // to create list;

<ol>//to create ordered list

<li>//”list item” to add item in a list

</body>

</html>

--------------------------- CSS

<html>//This is the webpage develop start call, everything goes in between the start and end of <html>

<head>//This is where the title of the webpage, for search engine info goes in

<style type = “text/css”>///style sheet

body {

background-color:blue;

color:white;

background-image:url(heman.jpg);///same images, multiple times

background-repeat:no-repeat;///only single image

background-repeat:repeat-x;///repeat only in ‘x-directions’, similarly ‘y’ direction

background-position:10px 60px;//moves 10 pixels to right and 60 to down or

background-position:50% 60px;///50 percent to right(i.e.center) and 60px down

}

p {color:blue;font-family:arial; line-height:150%;

text-indent:25px;}///p->selector, what element (Paragraph) you want to change; color->property; blue: value or can use RGB values!!; line-height:150%; = spacing between next lines

h1 {color:#330000}///RGB color for header 1

ul{font-weight:bold;}///unordered list

ol{font-style:italic;} ///Ordered list

h3{text-align:center;}///header 3 centering text

h2{background-color:yellow; padding-top:30px; padding-bottom:20px;} //// space between text and border is called the padding

h2{background-color:grey;padding:15px;border-color:red;border-width:3px;border-style:dotted;}

///\*\*\*Remember::padding is inside the text-border and margin is outside the border!!\*\*\*

p{background-color:orange;margin:1px;}///distance between each para

h4{background-color:red;color:white;width: 350px;height:100px; border:3px solid black; } ////width=backgnd color width!!height = backgrnd height; border:shortcuts!

///\*\* VERY GOOD ::::: Styling link\*\*\*//

a:link{color:red; text-decoration:none;}

a:visited{color:green;}//If the website is already visited then make the link look green (similar to youtube which is purple color, if the video is already watched!!)

a:hover{background-color:blue; color:white;text-decoration:underline;font-weight:bold;}//When the mouse is over the link

a:active{background-color:orange;}////Just when the mouse button is clicked!!

///\*\* VERY GOOD ::::: Styling Table\*\*\*//

table{border:3px solid blue;}

tr{background-color:yellow;}

td{border:2px dashed red;}

///\*\*\* Format list \*\*\*////

ul{list-style-type:katakana;}

ul{list-style-image:url(img\_name.png);}////use small image instead of default

ul{border:1px solid red; list-style-type:none;padding:0}

h1,p{color:red;}///two elements having same properties; use this

////Span

span{font-weight:bold;color:green;}

<span></span>////When you only want to change a particular part!!

///\*\*\* div –gives ability to create sections on your webpage \*\*\*//////

div{border:2px solid red;position:absolute;width:300px; top:40px;left:35px;}

<div>My name is Bucky!!!</div>

///\*\*\*\* Class – gives more power to control elements, easy customization of partial things \*\*\*///

.->define that you are using class

.redtext {color:red;}

.greengoblins{color:green;}

In <body> use attribute “class” in paragraph <p>

<p class="redtext">I want this text to be red!!!</p>

<p class="greengoblins">boy o boy I want this text to be GREEN!!!</p>

////\*\*\*\*\* Similar to class (separate formating), but using <div>, use IDs \*\*\*///

# -> ID to a <div>

#yo{border:2px solid red;position:absolute;top:15px;left:25px;}

#ko{border:2px solid green; position:absolute; top:65px; left:5px;}

In<body> use “div” attribute ‘id’

<div id = "yo">bobby is the best!!</div>

////\*\*\* A child selector is a <tag> inside an another <tag> e.g. <html> parent-> child<head>parent-> child<body>parent -> child<p> /////

The way you write in <style> is:

p > a{} -- It means all links i.e. child (a) in paras p i.e. which are parent to (child) links

p > a {color:red;font-size:30px;}

///\*\*\* pseudo styling 🡪 if you want to style the first letter

p:first-letter {font-weight:bold;font-size:30px;color:green;}

//// Watch Tutorial 34, 35, 36, 37, 38, 39, 40 ////

////\*\*\*\*\* Forms \*\*\*\*\* ///

Use forms when you want user to input data to you. E.g. username, password, etc.

<body>

<form>

Username: <input type="text" name="username" size = "10" value = "Enter name here"/>

</form>

/////\*\*\*\*\*\*\*\*\*Dropdown list \*\*\*\*\*\*\*\*\*\*\*\*\*\*////

<form>

What do you want to do today??

<select name="activities">

<option value="play">Play the Guitar</option>

<option value="v2">Comb your Hair</option>

<option value="v3">Comb some one hair</option>

<option value="v4">Teach a possum</option>

<option value="v5">Shave</option>

</select>

</form>

////\*\*\*\*\*\*\* Text Area for typind description \*\*\*////

<textarea name="bio" rows="8" cols = "55">

Type something here

</textarea>

////\*\*\*\*Continuation: Checkboxes and Radio button \*\*\*\*/////

<br/>

Male: <input type="radio" name="sex" value="male"/>

Female:<input type="radio" name="sex" value="female"/>

<br/>

<p>Selec the foods that you would luke to order</p> Bacon:<input type = "checkbox" name="food" value = "bacon"/> Ham:<input type = "checkbox" name="food" value = "ham"/> Tuna:<input type = "checkbox" name="food" value = "tuna"/> Soda:<input type = "checkbox" name="food" value = "soda"/>

</body>

////\*\*\*\*\*\* Username + Password \*\*\*\*\*////

<body>

<form>

Username:<input type="text" name="username" />

<br/>

Password:<input type="text" name="pass" />

<br/>

<input type="submit" value="Submit!">

</form>

</body>

</style>

</head> <!-- This is how you commment -->

<body> // This is where all webpage layout goes in

</body>

</html>