Ex. No. 3	RESPONSIVE WEBPAGE USING HTML5 AND CSS3
Date of Exercise	09/01/2023

Aim

To build a responsive webpage using html5, css with our own contents and images

Description

The styling to a webpage can be done using 3 ways
→In line within the tag as an attribute [style=""]
→Internal within the html document within style tag
→External linked with the help of link tag. <style>...</style>

Selectors: >> Used to add styling in the webpage. The following are the different types of selectors available in CSS.

1. Universal selector: To apply to entire webpage, [Syntax: * {…}]
2. Type Selector: To apply to specific tags based on its name, [Syntax: <tagname> {…}]
3. Class Selector: To apply to set of tags, [Syntax: .<class_name> { …}]
4. Id Selector: To apply to a unique specific tag, [Syntax: <id_name> {…}]
5. Grouping Selector: To apply to set of tags, classes, id's [Syntax: <id_name>, <tagname> {…} etc..,]
6. Child selector: To apply to direct child of a tag [Syntax: <tagname> > <tagname> {…}]
7. Descendent Selector: This applies to all child of a tag
8. Adjacent Sibling Selectors: to apply only to the adjacent sibling elements.
9. General sibling selector: to apply to all the sibling elements.
10. Attribute Selector: to apply based on attribute value pai
11. Query Selector: Using script basically JavaScript is used

Following are some of the css properties: -

- margin: to set the marginal vale [px, pt. %]
- color: to add color to the font color [names, rgb, hex]
- background-color: to add background color [names, rgb, hex]
- height: for adding the height of the element space.
- background-image: to add an image
- background-repeat: to add the image in repetition
- background-size: for the setting up of background size
- position: for setting op of the position of the elements
- float: For making the element in floating
- opacity: for transparent property

Program

```
<!DOCTYPE html>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>KKNPP Inplant Trainning Experience</title>
    <style>
        * {
            margin: 0%;
        }
        #header {
            background-color: rgb(186, 161, 129);
            color: brown;
            text-align: center;
            font-weight: bolder;
            font-size: x-large;
            font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-
serif;
            width: 100%;
        }
        #header:hover {
            background-color: brown;
            color: rgb(186, 161, 129);
        }
        .bground {
            width: 100%;
            height: 350px;
            background-image: url("Units.png");
            background-repeat: no-repeat;
            background-position: center;
            background-size: 100% 350px;
        }
        #about-kknpp h4 {
            text-align: center;
            padding-bottom: 1%;
        }
        #about-kknpp {
            text-align: justify;
            margin: 1%;
            padding: 2%;
            background-color: lightgrey;
        }
        #imgs {
            background-color: white;
            display: block;
        }
        #img1, #img2, #img3 {
```

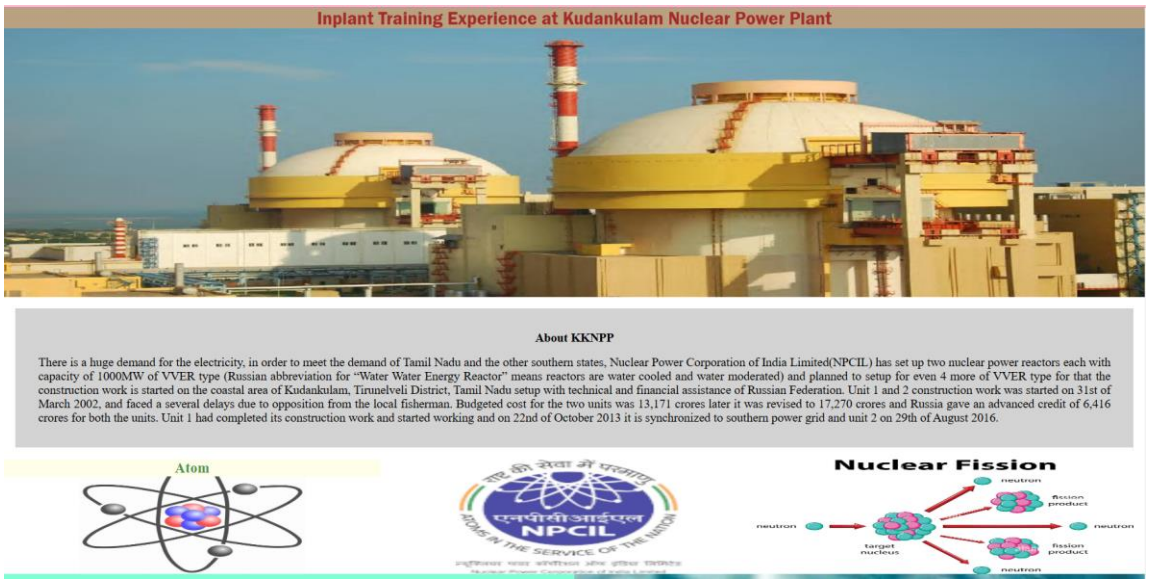
```
        width: 33%;
        height: 150px;
        float: left;
        opacity: 0.7;
    }
    #img1 {
        background-image: url("Atom.png");
        background-repeat: no-repeat;
        background-position: center;
        background-size: 60% 100%;
    }
    #img2 {
        background-image: url("NPCIL.png");
        background-repeat: no-repeat;
        background-position: center;
        background-size: 60% 100%
    }
    #img3 {
        background-image: url("Fission.png");
        background-repeat: no-repeat;
        background-position: top;
        background-size: 100% 165px;
    }
    #img1:hover, #img2:hover, #img3:hover {
        opacity: 1.0;
    }
    #img1 span {
        display: block;
        text-align: center;
        position: inherit;
        top: 1%;
        font-size: larger;
        font-weight: bolder;
        color: darkgreen;
        background-color: lightyellow;
        opacity: inherit;
    }
    #img1 span {
        opacity: 1.0;
    }
    #kknpp_it, #kknpp_server {
        display: inline-block;
        width: 100%;
        background-color: aquamarine;
        /*height: 200px;*/
    }
    div[id="kknpp_it_content"] {
        text-align: justify;
        width: 44%;
        float: left;
        margin: 3%;
    }
```

```
        #kknpp_it>img {
            height: inherit;
            width: 50%;
            float: left;
            height: inherit;
        }
        div[id="kknpp_server_content"] {
            text-align: justify;
            width: 44%;
            float: right;
            margin: 3%;
        }
        #kknpp_server>img {
            width: 50%;
            float: left;
            height: inherit;
        }
    </style>
</head>
<body>
    <div id="header">Inplant Training Experience at Kudankulam Nuclear Power
Plant</div>
    <div class="bground"></div>
    <div id="about-kknpp">
        <h4>About KKNPP</h4>
        <p>There is a huge demand for the electricity, in order to meet the
demand of Tamil Nadu and the other southern states, Nuclear Power Corporation of
India Limited(NPCIL) has set up two nuclear power reactors each with capacity of
1000MW of VVER type
            (Russian abbreviation for “Water Water Energy Reactor” means reactors
are water cooled and water moderated) and planned to setup for even 4 more of
VVER type for that the construction work is started on the coastal area of
Kudankulam, Tirunelveli
            District, Tamil Nadu setup with technical and financial assistance of
Russian Federation. Unit 1 and 2 construction work was started on 31st of March
2002, and faced a several delays due to opposition from the local fisherman.
Budgeted cost
            for the two units was 13,171 crores later it was revised to 17,270
crores and Russia gave an advanced credit of 6,416 crores for both the units.
Unit 1 had completed its construction work and started working and on 22nd of
October 2013 it
            is synchronized to southern power grid and unit 2 on 29th of August
2016.</p>
    </div>
    <div>
        <div id="img1"><span>Atom</span></div>
        <div id="img2"></div>
        <div id="img3"></div>
    </div>
    <div id="kknpp_it">
        <div id="kknpp_it_content">
            <h3>IT inside KKNPP</h3>
```

```
            <p>Inside the Kudankulam Nuclear Power Plant, Information Technology
department is classified into three parts as follows, Hardware, Software and
Networking With the help of Hardware and hardware devices required software and
applications are
                made and that is distributed and shared with the other peoples in
the organization using Networking each one is carried out by a special team and
they are having a head for each team separately.</p>
        </div>
        <img src="it.png" alt="IT image" width="50%" height="50%">

    </div>
    <div id="kknpp_server">
        <div id="kknpp_server_content">
            <h3>Servers in KKNPP</h3>
            <p>Operating systems used in the servers are Windows Server 2019, Red
hat and Cent OS where in Red Hat some of the packages are to be pay in order to
get it. Servers used are as follows: SMB, DHCP, DNS, IMAP, POP3, SMTP etc.,</p>
        </div><img src="server.png" alt="Server Image">
    </div>
</body>
</html>
```

Output



Result

Building up of a responsive webpage with our own content and images has been completed successfully and the webpage is rendered displayed by the browser.