18CS2053 – Web Technology Lab [URK20CS1080]

| Ex. No. 6 | JavaScript Styles, Animation |
|----------------|------------------------------|
| Date | 14-09-2022 |
| Web Host Link: | |
| | |

Video Link:

https://drive.google.com/file/d/1cto96VptSfhjYZp0ZLwkUN45fovY2OmN/view?usp=share_link

Aim

To Create a web application using JavaScript to manipulate the CSS Styles, Animation and Arrays.

Description

[Description here – Explain all the technical concepts used in the exercise]

- ❖ Variables are containers for storing data (storing data values). σ
- ❖ A JavaScript function is defined with the function keyword, followed by a

 π name, followed by parentheses ().
- An HTML event can be something the browser does, or something a user does. π
- Here are some examples of HTML events: π
- An HTML web page has finished loadingv
- An HTML input field was changedv
- An HTML button was clickedv
- Often, when events happen, you may want to do something. σ
- ❖ JavaScript lets you execute code when events are detected. σ
- ❖ Very often when you write code, you want to perform different actions for w different decisions.

- Use if to specify a block of code to be executed, if a specified condition is true
- Use else to specify a block of code to be executed, if the same condition is false
- Use else if to specify a new condition to test, if the first condition is falsev
- Use switch to specify many alternative blocks of code to be executedy

Code:

Program1:

```
!DOCTYPE html>
<html lang="en">
<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>Document</title>
<link rel="stylesheet" href="style1.css">
<script src="javascript1.js"></script>
    function bgcolor() {
var elements = document.getElementById("i").value; var elements2 =
document.getElementById("d1"); elements2.style.backgroundColor = elements;
function tcolor() {
var elements = document.getElementById("i2").value; var elements2 =
document.getElementById("d1"); elements2.style.color = elements;
function ts() {
 var elements = document.getElementById("i3").value; var elements2 =
document.getElementById("d1"); elements2.style.fontSize = elements + "px";
function bw() {
var elements = document.getElementById("i4").value; var elements2 =
document.getElementById("d1"); elements2.style.width = elements + "px";
function bh() {
var elements = document.getElementById("i5").value; var elements2 =
document.getElementById("d1");
var elements3 = elements * (3 / 4); elements2.style.height = elements + "px";
elements2.style.paddingTop = elements3 + "px";
function r() {
var elements = document.getElementById("i6").value; var elements2 =
document.getElementById("d1"); elements2.style.borderRadius = elements + "px";
</script>
background-color: white;
margin: 10px;
```

```
#d1 {
 width: 200px;
 height: 100px;
 border-width: 2px;
 border-color: blue;
 background-color: yellow;
 color: blue;
 border-style: solid;
 text-align: center;
 margin: auto;
 padding-top: 75px;
 font-size: 20px;
 background-color: white;
 background-color: white;
input[type='range'] {
 -webkit-appearance: none;
 background-color: blue;
 height: 6px;
<div id='d1'>Welcome to Text</div><br><br>
Background Color:<input type="color" id="i" onchange="bgcolor()"><br><br>
Text Color:<input type="color" id="i2" onchange="tcolor()"><br><br>
Text size:<select id="i3" onchange="ts()">
<option value="20">20</option>
<option value="30">30</option>
<option value="40">40</option>
<option value="50">50</option>
<option value="60">60</option>
<option value="70">70</option>
Box Width :<input type="text" id="i4" onchange="bw()"><br><br>
Box Height :<input type="text" id="i5" onchange="bh()"><br><br>
Box radius:<input type="range" id="i6" onchange="r()" min="0" max="100">
```

Output:

Welcome to Text

| Background Color: |
|-------------------|
| Text Color: |
| Text size: 20 ✓ |
| Box Width : |
| Box Height : |
| Box radius: |

Program2:

```
<!DOCTYPE html>
       <title>TODO supply a title</title>
       <meta charset="UTF-8">
       <meta name="viewport" content="width=device-width, initial-scale=1.0">
       <script>
            var timer=null;
            var element=null;
            var element1 = null;
function init(){
    element = document.getElementById('box');
    element.style.position = 'relative';
    element.style.left = '5px';
function start(){
    element.style.left = parseInt(element.style.left)+5+"px";
    if(parseInt(element.style.left) >= 1200){
        document.getElementById('danger').style.display="block";
        clearTimeout(timer);
      timer = setTimeout(start,100);
function stop(){
    clearTimeout(timer);
function reset(){
    init();
    clearTimeout(timer);
    document.getElementById('danger').style.display="none";
```

src=" IyMjIyMv/AABEIALQBFwMBIgACEQEDEQH/xAAcAAEAAQUBAQAAAAAAAAAAAAAAAQQECAwQGBwj/xABIEAACAQIDAwcGCggFBQEAAAABAgADEQQSIQU BAMAAAAAAAAQIDEQQhMRITQVEFInGBkdEUFTJSU2GhsfBCksHSM0Ph/9oADAMBAAIRAxEAPwD2aIiAIiIAiIgCIiAIiIAiIgCIiAIiIAiIgCIiAIiIAiIgCIiA MwAuTYDr6oBfEgcbyswNEkPiKWZd6I3SOD2EJe0hK/Obgl0VcRU8Qiqv8ArYH3SDqRWrL6eFr1M4wb7mdzE8zr87dAfJoN/HVRfuvNJ+eFerDp9tZ v6J0b2JZ6DXWqS7ZRX3Z6zE8j8sX/AE6fzH/JLk54V680v2VX/qk7vF8/BnPRKn0P74+Z61E8vpc79D59Ej92qD94EksNzp4JrApXXxApuo4Pf3Rv Ij0Ku9I37LP7HfROewHLDA1iAuIRWOgWqTSYnsAe1zJ4EHUag9nXJJp6GecJQdpJp/MviUlZ0iIiIAiIgCIiAIiIAiIgCIiAIiIAiIgCImtisXTpL mqulNLgZ3dUW53C7GAbMSL/AE9hPrWF/wAxS/GamI5YbPTfiqDeFNxUP+i85tLmTVObySfgT81sXjKdJGqVXWmi613YKo+0zgduc6FFVy4NGr1D9J UU06K+Nj5zHwsPXPNNs7VrYp8+JqNVIN1B0pp+6o0WQlVhFamuh0diKr9my5vI9I21zpUxdcHTNY6jpqgKU7/sp8pvtyzz3bPKTFYi7YjEPk9FT0d IfwLoftuZEVKlgTuAmooLnM27qXqHjKoudbLRHoTp4fo+0vbnwvovn5cTKcQzfIFh6Tb/ALB+Mtp0cxbMS1iBqbDd2CZkSXU9Hf8AgPummFGEdEeV Xxlau+vLu4fQuSgi7lXgJa7SrvNZmlplKVWuD6jNOkbMPXNwLNGQkdJRKfqmQ4ZOtVv6rH3SuHa6Bu0e+HeS1OWMLU7fJYjwbz198ltg8rcVgyOjq MEvrTYmrQ9g/J/htIh3mPfIOC4ZF6rztsye0uTz8OK7j23k9zmYatlXE2wzsQA9y1Bz+9bzP4tPGd4jhgCCCCLgg3BHaDPlSrZFL3yn3Mewjrk/yS 5bV8IQtJwUvrhqhJpN+510z6uBkXdanVTjU/xvPk/4fHseZ9HxOY5N8scNjAFDdFXtrQqEBvEofnj1a+AnTXnSlpp2eRWIiDgiIgCIiAIiIAiIgCI iAIiIAnlfPLijbD0spKAu5b5vSEWVbelbMft8Z6mZ4Ty+d6mMxFaxSnnFFGayGoKS2OW5F1LZt19wlVb2TbgEt8m3axyDlVtn6Vb9oIHvEyJlIuNR NYLfeABxMyBOyY5JH09Kc+KTXYZ8w7RKaeHGYskpkkLIvdSXIyuFYWOo7LzGKFPqv9jt+MZIySSbWjKpwjN3nBPtRXo1/wAT22/G0hXfdwT+215Qp KZDJbcubKvR6Pw4vuRd0C+kfbMp8GT0m9oR1Mtynwjbn7weGw/wl4F4ww6mfiv4TEdnr6T8B+EvyHwlCh8J3eT94i8JhvhIuWhlFgzW1NsgMoaZPz +NP+8plbwgIfCd301+oqeBwz/1/fzKnCt6a+z/AHhaDjrQ8RHnf/GLv2++d39TmH0dhPhtd78zPSZ1P/50X0tapTSqv2BxofETRr4LNqERTe90Ui3 gBnt7psZnjO/h7o31S+qI+rcJa2zIx0KtRCAVq1QQQ4FqlMjcQQffOhwvKTHI4YY3F1N+RqnSX+176SDzv2j3QKj9gkdufDIujhaGSmnK2l1n2X1a 7bnb0ecDFj6Vj61pv/SSFDnKxI+V0LfvUmHvUzzjpW7BK9KfR98htTXH610sPhZawX7bfY9Xw/OafnUqbfu1Ch4EGSuG5xcO3y6VVfFWRx94+6eKi ofR98rn9fukt9UXEpl0bgpfpt2N/wAnv2G5Z4J9OlyH/ERlHG1vfJnC4ynVF6T06g7UcN90+a1rsNzMPfNzZ9bEu/xAao6jN5isaijt8zWWRxE+Ku Y63Q9BK8ZuPbZ+R9JRPFN184eLw7BK4eoN2SsrBx4AkA8bz0vk1ypw+0U9E2Woou9J9HUdo7R4zRCqpZaM8nEYKpRW11KPNflzoIlJWWGMREQBERA IP1btj4Jg6uJAuyAKg6s7sEUnwBYE+qf0rvmYuWzsTcsTdiT657nzqNbZlQWJvVoDQXA+MU3PYNPeJ4FX0Vh6L6ep+yZq13Kx7XRuzCk6luNvzxNm 0pMAl2Y9plFj1d58j0jW37pjr4sDdxMw1KlhvmTZez1qBq9dimGpmxto1RvQU8LnxAGpltOipZswY3pKdLqU9efI1W2h4njaXU9oePGdfsWqQKppY alTprRJQMgZy/SUwGYkE7s28k+qam3atI4mrTxWHWnTNV1p4ikBTZFJOUHKOwjRrj1b5fuocjyljsQnfbZDCsG8D2dUuvNTHYN8NUyMQysAyVALK6 ncQOrW4I6iJuYVQw1YDsuQLzNUp70h7WBxrxGUvaKXi82xg+w39RvKHBNKbnpbLNW8Zj4zYODaWHCtO3RxqRiDHtMZjLxh2tulDRbsMZDrFM5jOYK 0eq/WinqGoud+th1kdVsGqQKhTDUadNVpBVKBnua1IEsSCb5c+8kzZGjBHzdbpPEVZXUtlckcbT2j48ZKbPxozg5VJHzWF1P4Gbu1XpPXqU8VQFIG rUSniKYVCBmOUHLodLaNf7Jz+Mwr4eqabkMLBkcfJdDuYe8W6iCJyVGOscmSo9I1F1avXi9Uz0KhtymaFZS9n6NilGretReoLFV6OpdSp1HbaZeTg 6Da+Eq01WnRxtIOtNNETOhWpTHgKiHT1TgqbXEkdlbTNCtRrNdloVEYBmNgA2ZgvZfXd2yvfNpKS0Nvq+CbnRl1ZJ5Psyz8NT6XErMdKoGVWG5gCP $\label{thm:control} \textbf{UReZJqPBEREAREQDm+Xmz2xGzq9FAS7BSoVczZ1dXXT95RfwvPnKswdSttfE6qwn1gZGYvY0Eqi1TD0HG/wA6kl7+u0h0G1nxRpw+IdJSi84y1PmR} \\ \textbf{UReZJqPBEREQDM+Xmz2xGzq9FAS7BSOVczZ1dXXT95RfwvPnKswdSttfE6qwn1gZGYvY0Eqi1TD0HG/wA6kl7+u0h0G1nxRpw+IdJSi84y1PmR} \\ \textbf{UReZJqPBEREQDM+Xmz2xGzq9FAS7BSOVczZ1dXXT95RfwvPnKswdSttfE6qwn1gZGYvY0Eqi1TD0HG/wA6kl7+u0h0G1nxRpw+IdJSi84y1PmR} \\ \textbf{UReZJqPBEREQDM+Xmz2xGzq9FAS7BSOVczZ1dXXT95RfwvPnKswdSttfE6qwn1gZGYvY0Eqi1TD0HG/wA6kl7+u0h0G1nxRpw+IdJSi84y1PmR} \\ \textbf{UReZJqPW+Xmz2xGzq9FAS7BSOVczZ1dXXT95RfwvPnKswdSttfE6qwn1gZGYvY0Eqi1TD0HG/wA6kl7+u0h0G1nxRpw+IdJSi84y1PmR} \\ \textbf{UReZJqW+Xmz2xGzq9FAS7BSOVczZ1dXXT95RfwvPnW+MagNayMagNa$ AbC++2tpXKfGe9Y3m02dUuVpPSY9dOq4HssSB9gnP4zmgTfQxTp+zVpB7/xKVtwlLpSPShj6Lyd0eOY02FvV7zO1wVaiuHwmFYISaPTEVqKVaTM9n JDrZ0N3HpDTqk1j+aCr0D0uJV66qzCkKRKVCuqqGzAqT6j0P2bSqYq1QFEA4nDN0LI3m/FkkKzdihRYnq6PxEvgrRseViJqdWUloztaOFawoUqd0m 9d0kNc1DUpFAw81AbEar19kpixTqU3evSpKDUamzVGvTqOttUQanqO/qmniNr4W1M1QCFD9Chc0s6ZiGxF9+ViDa+8ayzFYqnVw4pYQB2bphQW91p 1soZ6Jb0rAsubfa0kUn08psVSrYKi9PU0a5pBhSSghVlckIi3IF0HyiT6pA0jpJmpst6jYXZVAB67uHqHcEYg6t2AKzsfAjrnR47mvx1EL0QTFl75 hTK0xTta1zUYZr3O4dUhUV4mrBzUaybdlmcNLxVYbmYfaZ0jc3u1+rDKP48Of+csPNztfuf9zD/+yZ92/wAuetLF01pn3x/sQQxL+m/tGXfDanpn3 GTfk52x3H+5hvzx50tsfVx/Mw/553dHPTo/PxX9iGXHVPSHsj8JX9I1P2fZkx50tsfV1/mYf88eTvbH1Zf5tD885uSS6QjzfivMiP0i/Yvsn8ZX9I t6KcG/GS3k72v9VT+ZQ/PHk82x9VX+bR/PG5ZL1jHm/wA7yK/SHai8TBxq9dNeP9pLeT3a/wBUX+fR/PHk+2t9TH+Yo/mnNy+Q9ZQ94iPhVPu+B/t Lenpeg32NJryf7W+p/wDk0PzSo5vtq/Uz/mqH5o3LJesKb/V9P+EI1Wl1Bx7NpGY9t0E7Ic3u0/qrD/v0D/zluK5tNp9G1Q0kAVS/R9MpqeaL2AW4 J00F501BqR16QxMZ0bJp3a0NmlVoCnhsKwS6UFqAVqKvTZ2AZmWotnQ5nJ1zb50UcM2mHpU6dNqiJXNVqhq03UMLLT3aaTjNm03xSYZ60Vq1G1Gqr GyimNzsepcqA37VadLidsYX4t6ov5h6KmzmkRRYk9KbajMdwPVNJ4hs43oqlNqlalSph3dSajZ0qVEOrJTGpF7HfwnHcqsTTr4XD1kuSlR6Wbo6dF WUgnzaaXsLoSLknzp0mPqpVwwpYSzsUqihc+atrGpSv6YW7AHfaczidm1az4fZmFU1aqBqjgEKM+W9iSQBZbnU73tvgEK7Ho0tv6UD8ZmqPeqiDdm F9L72AH9Z00eRW0SQvvWuGVy1iFC33XzXseM6DAc2GP8AlsM0jPqekrszr1WIRCODTPbrXtc9jeQ3Ci5q00op6t2SzyWf2PbkFgB2ACXy02HhqlLD UaddlqVadNEZ1BCsVFs2vgBJGaDxxERAExvVA3/dMkQDUbHoN5PCYH2xTHpezJDIOwcJYaKneq8BAIp+UdEdTcJrvysojqfhJo4SmfmLwEsOz6R30 04QCAflrQHzX4Ty/ljh6bYk47ZrNQrvmNWiRZKpb5TLpbzvnKdDv37/AGw7JoH6NOEsbYmHP0ScIB85Yza6VXL4zCMaugLpdQQNAArDQdgBtFHbjo ~JgqHwcVLZqjjO3mm6sPNAUjWx1IubWn0SdgYY/RJLTycwvdLAPIORG18Hs4PVcNXxlQEPWIYhFJuUS+up1LHUzrTzq0PQPBp155L4Tullp5KYPul gHHnnYo92eDSw87VLuzwadieS0D7oS08jsH3QgHHHncpd2eB1PK5S7s+yZ2H6mYPuhKfqXg+6EA4/yuUu7PAx5XKXdn2T0w/UrBd0JT9S8F3Q90A5 ${\tt DyuUu7PAy7yuUe7PAzrv1LwXdCP1LwfdCAckOduj3Z4GXDnao92eDTrByNwfdCXDkfgu6EA5Qc7FHuzwaXDnVoegeBnVjklg+6EuHJTB90sA5dedG} \\$ gfmNwaZk5zKB+Y3AzpByYwndLLxycwo+iWAeJcpVpnEtjdmE0aj5jVoEeZUzfKygixVutG06xIXF7Vp1Xapi8I5rMfOdLqHO7cw0Fh2ndPopdg4Yf RJL12Lhx9EnCAfPWC2hiCrUcBh2wyVCpaqw1BXc4YqAh36gFtdDPR+QGDwmzkZ2L1sZVHxtbLoBe+SnfXLfUk6k6nqA9CGy6I+jThL12fSG6mnCAa CcoaR9LhNhNrUz6XszaGFQbkT2RLhRUb1XgIBiXGodxPCZ0qA7pXKOwcJdAEREAREQBERAEREAREQBERAEREAREQBERAEREAREQBERAEREAREQBE AEREAREQBERAEREAREQBERAEREAREQBERAEREAREQBERAEREAREQBERAEREAREQBERAEREAREQBERAEREAREQBERAEREAREQBERAERIja01TtcIqM zZqNr5Qrq9RUYJdhdgGHgLi++AS8SBHKJGCGnTqOajKApyKQC1IEm7f4y6eBlKXKNSoLUq+bolqkKiuq5r5Vz5rXNusjeN0An4kJX24FPnUqgCmpn uUDIEXNmy5tQbGx8LzFieUSqr1UqA061JKmZVbo81XIy2RiWawYjLcbvEQDoIkZitrIgDMrEGi1c5chyIuW5Jza6sB5t5qVOUdNSwNOvdLhgBTORg tVivy9TlpOdLjQDfpAJ6JrGqTmygl1UML3VCTewzW8Nd9ryIo7eztTRVQNUw4qHPUygVGWmyoot5ws5udNbDrNgOgicyvKUtYLTW/RM7gs2ZHV6au gF2VVdmJHokC+pF1Tb1QZPi1vVRSi5iWzlqQKkWFjaoTlNjZR26AdJE5mlyidqTVFpoQKNaqB0huBSyZ83m9efS3YN19JfD4xmrPTZcuUZk3kul7

Output:



shutterstock.com 1434938015

Start Stop reset



Result

Application using JavaScript to manipulate the CSS Styles, Animation and Arrays was created successfully.