```
1 <!DOCTYPE html>
2
3 <html lang="en" xmlns="http://www.w3.org/1999/xhtml">
4 <head>
        <meta charset="utf-8" />
       <title>Invader Chase</title>
 6
7
       <script language="javascript">
 8
9
           var onoff = 0 * 1;
10
            var leftright = 0 * 1;
           var xcoord = Math.floor(Math.random() * 480)
11
12
            var ycoord = 430;
13
            var xcoord2 = xcoord - 20;
14
           var xcoord3 = xcoord + 20;
15
16
17
            function paintcanvas() {
18
19
                //paint character
20
                var c = document.getElementById("mycanvas");
21
                var ctx = c.getContext("2d");
22
23
24
                ctx.canvas.width = 600;
25
                ctx.canvas.height = 500;
26
                //paint canvas
                ctx.fillStyle = "#000000";
27
28
                ctx.fillRect(0, 0, window.innerWidth, window.innerHeight);
29
30
31
32
                ctx.fillStyle = "#00ccff";
33
                ctx.beginPath();
                ctx.rect(xcoord, ycoord - 5, 20, 15);
34
35
                ctx.stroke();
36
                ctx.fill();
37
38
                ctx.fillStyle = "#ffcc00";
39
                ctx.beginPath();
40
                ctx.rect(xcoord2, ycoord + 25, 20, 35);
41
                ctx.stroke();
42
                ctx.fill();
43
                ctx.fillStyle = "#ffcc00";
44
45
                ctx.beginPath();
46
                ctx.rect(xcoord3, ycoord + 25, 20, 20);
47
                ctx.stroke();
48
                ctx.fill();
49
50
                ctx.fillStyle = "#696969";
51
                ctx.beginPath();
52
                ctx.rect(xcoord - 20, ycoord + 10, 60, 20); //square:(x location, y >
```

```
location, length, height)
 53
                 ctx.stroke();
 54
                 ctx.fill();
 55
             }
 56
 57
 58
 59
 60
 61
 62
             function move() {
                 var c = document.getElementById("mycanvas");
 63
 64
                 var ctx = c.getContext("2d");
 65
                 var leftright = Math.floor(Math.random() * 2);
 66
                 if (leftright == 0) {
 67
                      xcoord += 20;
                     ycoord -= 10;
 68
 69
 70
                     xcoord2 = xcoord - 20;
 71
                     xcoord3 = xcoord + 20;
 72
 73
                 else if (leftright == 1) {
 74
                     xcoord -= 20;
                     ycoord -= 10;
 75
 76
 77
                     xcoord2 = xcoord + 20;
 78
                      xcoord3 = xcoord - 20;
 79
                 }
 80
 81
                 if (ycoord <= 0) {
 82
                     onoff = 0 * 1;
 83
                     xcoord = Math.floor(Math.random() * 480);
                     ycoord = 430;
 84
 85
                     window.clearInterval(timer);
 86
                     alert("You won!");
                 }
 87
 88
                 if (xcoord <= 15) {</pre>
 89
 90
                     xcoord += 20;
 91
                 }
 92
 93
                 if (xcoord >= 560) {
 94
                     xcoord -= 20;
 95
                 }
 96
 97
98
99
100
                 paintcanvas();
101
             }
102
103
             function starttimer() {
```

```
...\OneDrive\Desktop\GITA 2\invader chase\invader_chase.html
                                                                                          3
104
                 if (onoff == 0) {
                     timer = setInterval("move()", 500)
105
106
                     onoff = 1 * 1;
107
                 }
108
109
                 else if (onoff == 1) {
110
                     clearInterval(timer);
                     onoff = 0 * 1;
111
112
                 }
113
             }
         </script>
114
115 </head>
116 <body onload="paintcanvas()" style="background-color: #808080; background-image: →
       url('background.jpg');">
117
         <center>
             <h1 style="font-family:Impact; font-size:48px; color:red; outline-
118
               style:solid; outline-color:black; background-color:black;">Invader
               Chase</h1>
             <canvas id="mycanvas" width="500"</pre>
119
                     style="border:1px solid rgb(195, 195, 195);">
120
121
                 Your browser does not support the canvas element
122
             </canvas>
123
             </br>
124
             </br>
             <input type="button" name="auto" value="Animate" style="font-</pre>
125
               family:Montserrat; font-size:20px; color:red; background-color:black;"
                    onclick="starttimer()" />
126
             <input type="button" name="move" value="Move" style="font-</pre>
127
               family:Montserrat; font-size:20px; color:red; background-color:black;"
128
                    onclick="move()" />
129
         </center>
```

130

131 </body>
132 </html>