

3rd of March - FCC: Penguin ~

① (index.html)

```
<!DOCTYPE html>
<html lang="en">
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <head>
    <link rel="stylesheet" href="styles.css">
  </head>
  <body></body>
  <title>Flappy Penguin</title>
</html>
```

⑥ (index.html) adding:

```
<div class="ground"></div>
```

② (styles.css)

```
.body {
  background: linear-gradient(45deg, rgb(118, 201, 255), rgb(247, 255,
  222));
  margin: 0;
  padding: 0px;
  width: 100%;
  height: 100vh;
  overflow: hidden;
}
```

⑭ (styles.css)

```
.left-mountain {
  width: 300px;
  height: 300px;
}
```

```
background: linear-
gradient(rgb(203,
241, 228), rgb(80,
183, 255));
```

⑪ (styles.css)

```
.penguin {
  width: 300px;
  height: 300px;
  margin: auto;
  margin-top: 75px;
}
```

⑦ (styles.css)

```
.ground {
  width: 100vw;
  height: 400px;
  background: linear-gradient(
  90deg,
  rgb(88, 175, 236),
  rgb(182, 255, 255));
  z-index: 3;
  position: absolute;
}
```

⑮ (styles.css)  
[cont'd]

```
position: absolute;
```

(16) (styles.css) [cont'd, within the .left-mountain]

transform: skew(0deg, 44deg);  
shear the y-axis by.  
takes 2 arguments shear the x-axis by

(17) (styles.css) [cont'd]

z-index: 2;

it's a stack level.

(18) (styles.css) # overlap the mountain and .ground elements better.

.left-mountain → margin-top: 100px;  
.ground → margin-top: -58px;

(19) (index.html)

<div class="back-mountain"></div>

(20) (styles.css)

.back-mountain {

width: 300px;

height: 300px;

background: linear-gradient(rgb(203, 241, 228), rgb(47, 170, 255));

position: absolute;

z-index: 1;

transform: rotate(45deg);

left: 110px;

top: 225px;

(21) (index.html)

<div class="sun"></div>

(22) (styles.css).

.sun {

width: 200px;

height: 200px;

background-color: yellow;

position: absolute;

border-radius: 50%;

top: -75px;

right: -75px;

(23) (index.html) [within the .penguin]

<div class="penguin-head"></div>

<div class="penguin-body"></div>

(24) (styles.css) [within the .penguin]

position: relative;

z-index: 4;

(25) (styles.css)

.penguin-head {

width: 50%;

height: 45%;

background: linear-gradient(45deg, gray, rgb(239, 240, 228));

border-radius: 70%, 70%, 65%, 65%;

background: linear-gradient(45deg, rgb(134, 133, 133) 0%, rgb(234, 231, 231) 25%, white 67%);

border-radius: 80%; 80%; 100%; 100%; ;

③ (styles.css) Targeting ALL DESCENDANT ELEMENTS of the .penguin element, and give them a position of absolute.

```
.penguin * {  
    position: absolute;  
}
```

④ (styles.css) [ within the .penguin-head ]

```
top: 10%;;  
left: 25%;;
```

⑤ z-index: 1;

⑥ (styles.css) [ within the .penguin-body ]

```
top: 40%;;  
left: 23.5%;;
```

⑦ (styles.css) pseudo-element (that's the 1<sup>st</sup> child of the .penguin-body)

```
.penguin-body::before {  
    content: "";
```

⑧ position: absolute;

⑨ width: 50%;

height: 45%;

background-color: gray;

⑩ top: 10%;

left: 25%;

top

⑪ border-radius: 0% 0% 100% 100%;

bottom

⑫ opacity: 70%;

⑬ (index.html) [ within the .penguin-head ]

```
<div class="face"></div>  
<div class="face"></div>
```

⑭ (styles.css)

```
.face {  
    width: 60%;  
    height: 70%;  
    background-color: white;  
    border-radius: 70% 70% 60% 60%;
```

```
    border-radius: 70% 70% 60% 60%;  
    top: 15%;
```

⑮ (styles.css)

```
.face-right {  
    right: 5%;
```

⑯ (index.html)

```
<div class="face-left"></div>  
<div class="face-right"></div>
```

⑰ (styles.css)

```
.face-left {  
    left: 5%;
```

⑱ (index.html)

[ within the .penguin-head ]  
<div class="chin"></div>

52 (styles.css)

```
.chin {  
    width: 90%;  
    height: 70%;  
    background-color: white;  
}  
53 top: 25%;  
left: 5%;  
border-radius: 70%, 70%, 100%, 100%; } }
```

54 (styles.css)

```
:root {  
    --penguin-face: white;  
}  
3 }
```

56 (index.html) [after the .chin ]

```
<div class = "eye left"></div>  
<div class = "eye right"></div>
```

57 (styles.css)

```
.eye {  
    width: 15%;  
    height: 17%;  
    background-color: black;  
}  
58 top: 45%;  
border-radius: 50%; }
```

59 (styles.css)

```
.eye.left {  
    left: 25%;  
}  
3 .eye.right {  
    right: 25%;  
}  
3 }
```

60 (index.html) adding :

```
<div class = "eye-lid"></div>
```

for each eye.

61 (styles.css)

```
.eye-lid {  
    width: 150%;  
    height: 100%;  
    background-color: var(--penguin-face);
```

```
62 top: 25%;  
left: -23%;  
border-radius: 50%;  
3 }
```

63 (index.html)

```
<div class = "blush left"></div>  
<div class = "blush right"></div>
```

64 (styles.css)

```
.blush {  
    width: 15%;  
    height: 10%;  
    background-color: pink;  
}  
65 top: 65%;  
border-radius: 50%; }
```

66 (styles.css)

```
.blush {  
    left: 15%;  
}  
}  
.blush {  
    right: 15%;  
}  
}
```

69 (styles.css)

```
.beak {  
    width: 20%;  
    top: 60%;  
    left: 40%;  
}  
}
```

70 .beak {  
 width: 16%;  
 top: 65%;  
 left: 42%;  
}  
}

77 (styles.css) [cont'd]

```
top: 165px;  
left: 127.5px;  
z-index: 1;  
color: #000000;
```

79 (index.html)

```
<div class="penguin-body">  
    <div class="foot-left"></div>  
    <div class="foot-right"></div>  
</div>
```

82 (styles.css)

```
:root {  
    --penguin-picorna: orange;
```

67 (index.html)

```
<div class="beak-top"></div>  
<div class="beak-bottom"></div>
```

68 (styles.css)

```
.beak {  
    height: 10%;  
    background-color: orange;  
    border-radius: 50%;
```

71 (index.html)

```
<div class="shirt">  
    <div> CSS </div> → 72  
    <p> I CSS </p> → 73  
</div>
```

74 (styles.css)

```
.shirt {  
    font-size: 25px;  
    font-family: Helvetica, sans-serif;  
    font-weight: bold;  
}
```

75 .shirt div {  
 font-weight: initial;  
 top: 22.5px;  
 left: 12px;  
}

80 (styles.css)

```
.foot {  
    width: 15%;  
    height: 30%;  
    background-color: orange;  
    top: 85%;  
    border-radius: 50%;
```

83) (styles.css)

```
• foot.left {  
    left: 25%;  
}  
}  
• foot.right {  
    right: 25%;  
}  
}
```

84) (styles.css)

```
transform: rotate(80deg);  
transform: rotate(-80deg);
```

85) (styles.css) [within .foot]

```
z-index: -1;
```

86) (index.html) →

```
<div class="arm left"></div>  
<div class="arm right"></div>
```

87) (styles.css)

```
.arm {  
    width: 30%;  
    height: 60%;  
    background: linear-gradient(90deg, gray, rgb(209, 210, 199));  
}  
93) [cont'd]  
border-radius: 30%, 30%, 30%, 120%;  
94) z-index: -1;
```

88) (styles.css)

```
:root {  
    --penguin-skin: gray;  
}
```

90) [cont'd]

```
transform-origin: top left;
```

91) [cont'd]

```
transform: rotate(130deg) scaleX(-1);
```

89) (styles.css)

```
.arm.left {  
    top: 35%;  
    left: 5%;  
}
```

.arm.right {

```
    top: 0%;  
    right: -5%;  
}
```

92) [cont'd]

```
transform: rotate(-45deg);
```

95) (styles.css)

```
@keyframes wave {  
    0% {  
        20%;  
    }  
    30%;  
    40%;  
}
```

97) (styles.css)

```
transform: rotate(110deg) scaleX(-1);
```

98)

```
transform: rotate(130deg) scaleX(-1);
```

99)



100 (styles.css) [ within the .arm.left ]

```
animation-name: wave;  
animation-duration: 3s;  
animation-iteration-count: infinite;  
animation-timing-function: linear;
```

101 (styles.css) →

```
.penguin: active {  
    transform: scale(1.5);  
}
```

102 [ cont'd ] → cursor: not-allowed;

103 (styles.css) [ within the .penguin ] → transition: 1s ease-in-out 0ms

104 (styles.css) [ within the .ground ]

