# Web Development Fundamentals: Coding Steps!

Instructor: Sina | Helpers: Brock, Alissa, Lars, and Abril

## Step 1: Get Ready!

- Open 'www' directory -> click 'CodePen' file. (Or go to https://codepen.io/pen)
- 2. You'll see HTML, CSS, JS boxes. Type code there. See your page below!

#### Step 2: HTML - Heading

 In HTML box, type: <h1>Web Programming</h1>

## Step 3: HTML - Paragraph

In HTML box (below <h1>), type:
 HTML is <em>awesome!!!</em>
 Your HTML now is like:
 <h1>Web Programming</h1>
 HTML is <em>awesome!!!</em>

## Step 4: HTML - Image

1. In HTML box (below ), type:
<img
src="https://tinyurl.com/4225uhzk">

## Step 5: CSS - Heading Color

1. In CSS box, type: h1 { color: red; }

## Step 6: CSS - Center Content

1. In CSS box (below h1 style), type: body { text-align: center; }

## Step 7: JS - Turn Light On!

1. In JS box (below previous JS), type:

function turnOn() {
 document.querySelector('img').src =
 'https://tinyurl.com/4d26vbz5';
}
document.querySelector('img').addEven

tListener('click', turnOn);

2. Click the light bulb in preview! Does it turn ON?

## Step 8: JS - Toggle Light ON & OFF!

- Delete Step 7's function turnOn() { ... } from JS box.
- 2. Replace with this (type carefully!):

```
function toggleLight() {
  let lightbulb =
document.querySelector('img');
  if (lightbulb.src ===
'https://tinyurl.com/4d26vbz5') {
    lightbulb.src =
'https://tinyurl.com/4225uhzk';
  } else {
    lightbulb.src =
'https://tinyurl.com/4d26vbz5';
  }
}
document.querySelector('img').addEven
```

document.querySelector('img').addEver
tListener('click', toggleLight);

## **Congratulations!**

You built an interactive webpage!