



Welcome to Hack Club!

October 19, 2022





What is Hack Club?

It's a lot bigger than Pomperaug High School

- **Hack Club** is a nonprofit network of high school coding clubs and makers around the world.

The game console where every player is a creator.
Introducing Sprig: the fantasy game console by Hack Club.

Don't run your coding club alone. Make it a Hack Club.

Hack Club is a nonprofit network of high school coding clubs and makers around the world. Applications are now open.

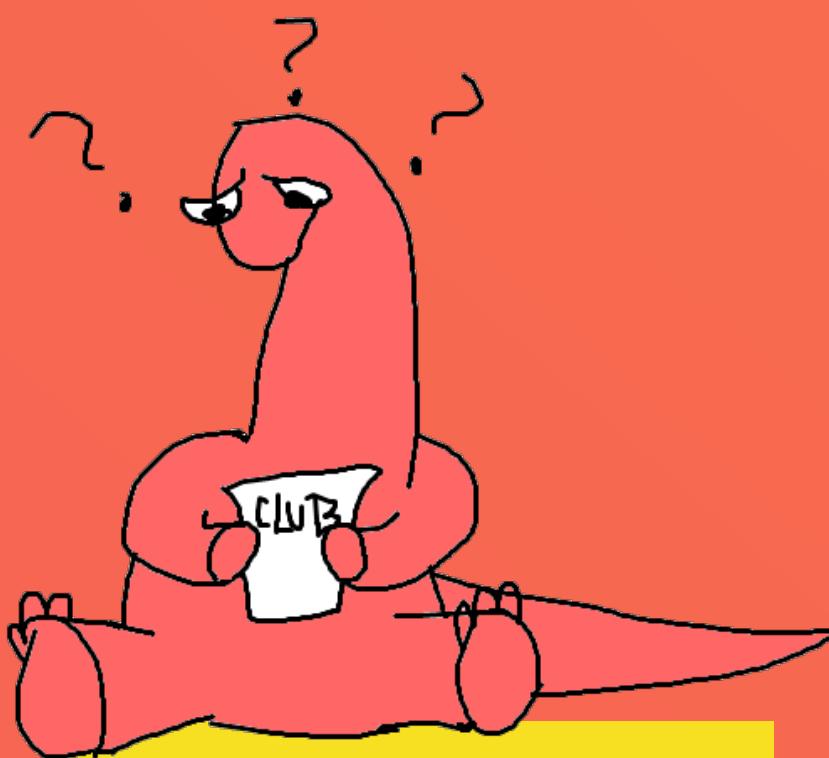
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Hackers at Assemble in SF

What do we do here?

Well, a lot.

- Learn how to code in **Javascript**
- Workshops
- Competitions
- Projects
- Hackathons



JS

Let's meet another hacker!

Tanishq Kancharla

tanishqkancharla.dev

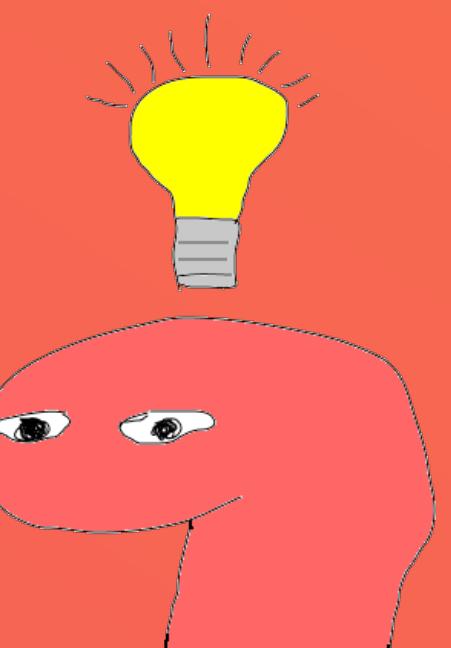
So...how do websites work?

They use **HTML** and **CSS**, along with some **Javascript**

- Go to any website and open up **Inspect Element**
- That code on the top is HTML, and it works storing information inside of **tags**.

```
<!DOCTYPE html>
<html>
  <head></head>
  <body></body>
</html>
```

- `<!DOCTYPE html>` tells the browser what version of HTML we're using
- `<html>` contains all of our HTML code
- `<head>` tells your browser about the content of your page
- `<body>` contains the actual content you see on your page



What are CSS and JS for?

HTML, CSS, and JS all work together to make good websites.

	HTML	CSS	JS
Purpose	Structure, Objects, Things	Looks, Style	Actions
Syntax	<p> <h1> <body>	p { color: red; }	var x = 5;
Grammer	Nouns	Adjectives	Verbs
Building	Walls, Structure	Paint, Curtains	Electrical, Plumbing, AC

Let's start hacking!

Let's make a website!

Isn't this exciting?

- Go to repl.it/languages/html
- Delete everything in the `index.html` file.
- **Type** in the following template code:

```
<!DOCTYPE html>
<html>
  <head></head>
  <body></body>
</html>
```

- Press the **Run** button and check out your website!

Adding some content

Yes, it's a website, but a pretty empty one so far

- We need to add content into the `<body>` tag using the `<p>` and `<h1>` tags.

```
<!DOCTYPE html>
<html>
  <head></head>
  <body>
    <h1>Kanishq Kancharla</h1>
    <p>Welcome to my website!</p>
  </body>
</html>
```

- Press the **Run** button again to see your changes

Adding some media

The website's still looking a bit bland... let's add an image or two with the `` tag

- Find an image on Google that you like and copy the URL to it

```

```

- Your code should look something like this now:

```
<!DOCTYPE html>  
...  
    
  <h1>Kanishq Kancharla</h1>  
  <p>Welcome to my website!</p>  
...  
</html>
```

Let's add a bit of  spice

How do we use CSS?

We need to set up our HTML file properly before we can style our website

- First, we need to tell our HTML to use our CSS file.

```
<link rel="stylesheet" href="style.css" />
```

- This goes in your `<head>` tag, since we're telling the browser to use this file
- The `<rel>` part tells the browser what kind of relationship this is, since the CSS file is a **stylesheet**.

```
<!DOCTYPE html>
...
<head>
  <link rel="stylesheet" href="style.css" />
</head>
...
</html>
```

How do we use CSS?

Your website is about to look a whole lot better

- Open up `style.css`
- CSS works with **rules**, using **selectors**, **attributes**, and **values**

```
selector {  
    attribute: value;  
}
```

```
img {  
    width: 200px;  
}
```

```
body {  
    text-align: center;  
    font-family: "Arial";  
    color: purple;  
}
```

Let's publish our website!

You'll be able to share your website with all your friends :)

- Sign Up for [repl.it](#) in the top right
- Change the name of your project to whatever you want
- Now, run your website one more time and share the link in the top right with anyone!

