

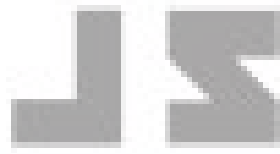


WELCOME TO FRONT-END WEB DEVELOPMENT

Please sit next to a different classmate
and write your name on your name tag.

Wi-fi: GA-Guest
pw: yellowpencil





LESSON 08

INTRO TO

JavaScript +

jQUERY

RECAP



Three basic layers of web-development



Behavior?

Think **interaction**

Some examples of interactivity

TIME

A Year In Space

TRAILER

Is It Better to Rent or Buy?

By MIKE BOSTOCK, SHAN CARTER and ARCHIE TSE

The choice between buying a home and renting one is among decisions that many adults make. But the costs of buying are more complicated than for renting, making it hard to tell which is the answer to this question, our calculator takes the most important factors into account and computes the equivalent monthly rent.

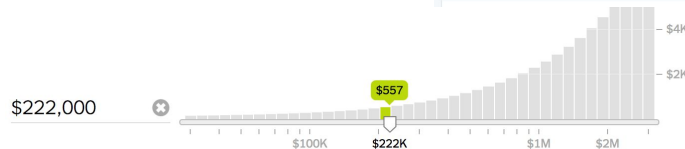
Home Price

A very important factor, but not the only one. Our estimate will improve as you enter more details below.

Trailer


1

2



RITCHIEY - Official @RitcheyLogic · 24h

Want to own a custom painted Swiss Cross? We're helping Ben sell his as he recovers from a TBI. ow.ly/Ok2f30bd41k



Like

1

8

16

Josh Ferenc

19 hrs · 🧑

Remember when there was a debate between Payton Manning or this guy as the # 1 pick in the NFL draft? This is a good letter of self reflection from a guy who hit rock bottom.



THE PLAYERS' TRIBUNE

Letter to My Younger Self | By Ryan Leaf

Dear 21-year-old Ryan: I'm sorry to have to tell you this, but the truth is... You don't

Like

Comment

Share

Programming basics

Computer programs are constructed using:

- **input data:** hardcoded in the program or provided by the user (e.g. *“Date of birth?”*)
 - **output data:** normally the result of processed input data (e.g. *“You are over 21.”*)
 - **variables:** markers that store values (e.g. `dateOfBirth`)
 - **basic arithmetic:** addition, subtraction, multiplication, division (e.g. `currentDate - dateOfBirth`)
 - **simple comparisons:** boolean logic (e.g. `userAge >= ageLimit`)
 - Equals `=`, Greater than `>`, Less than `<`, Greater than or equal to `>=`, Less than or equal to `<=`, Does not equal `<>`, And `&&`, Or `||`, Not `!`
 - **logical operations**
 - **if** *condition true* **then** *output* **else** *alternative output*
 - **while** *condition true* **do** *operation*
-

Programming in pseudo-code

Pseudo-code is:

- not a programming language
- a simple way of describing a set of instructions that solve a specific problem
- the perfect way of planning the development of a computer program
- varied in style: it can be very close to real programming language or look like prose

```
Put water into kettle;  
Turn kettle on;  
Wait for water to boil;  
Put teabag in cup;  
Add water to cup;  
Remove teabag;  
Serve;
```

```
IF X > Y  
    PRINT "X is greater than Y"  
ELSE  
    PRINT "Y is greater than X"  
END
```

Applying JavaScript

There are two ways to apply JS to HTML

Internal

```
<body>
  ...
  <script>
    alert("Hello World!");
  </script>
</body>
```

External

```
<body>
  ...
  <script src="hello.js"></script>
</body>
```

Why jQuery?

*“it is a fast and concise **JavaScript Library** that simplifies
HTML/DOM manipulation, event handling, effects and animation
for rapid web development across all modern web-browsers”*