

Name: _____

Directions: Project #2 on dash.ga.co asks you to create a blog for Jeff. The project is not a fully functional blog, but it is an intricate webpage using HTML, CSS, and some JavaScript. Sign up for an account on dash.ga.co and walk through the second project while answering the questions below. After completing this project, you will convert this page into a four page website about yourself or your favorite hobby.

Part 1: Header and Navigation HTML

1. What is the purpose of the `<header>` tag? _____

2. What is a navigation bar? _____
 - What tag do we use to make a navigation bar? `<` _____ `>`
3. `` stands for _____
`` stands for _____
4. What does the `<a>` tag do? _____
5. What would this line of HTML do? `Google` _____


Part 2: Style the Header with CSS

1. What advantages does the `<link>` tag have over the `<style>` tag? _____

2. What is normalize.css? _____

3. Why do we need to add a padding property to the `` tag? _____

4. What does `inline` do to a list of items? _____

5. Place the word "HTML" in the box on the right using the padding in this code: `padding: 0px 0px 0px 10px;`.
Hint: Remember top, right, bottom, left. 
6. What is the difference between `padding` and `margin`? _____

7. What did `border-radius` do to the square border around the image? _____

Part 3: Responsive Design and JavaScript

1. Why is responsive design becoming a more important aspect to consider when making a website compared to 10 years ago?

 2. Why is it important to center and narrow text on a webpage? (Think visually) _____

 3. What does this line of HTML do to an object? `margin: 0 auto;` _____

 4. How does using `max-width` instead of `width` improve the readability of any webpage? _____

 5. The media query to the right will be activated when...

- ```
@media (max-width: 500px) {
 body {
 background: red;
 }
}
```
6. What does each digit of this hexadecimal color code `#E78` represent?  

|   |  |   |  |   |  |
|---|--|---|--|---|--|
| E |  | 7 |  | 8 |  |
|---|--|---|--|---|--|
  7. What is the hex color code for true purple? `#` \_\_\_\_\_
  8. What is the programming language that allows websites to be interactive? \_\_\_\_\_  
\_\_\_\_\_
  9. What tag allows us to add JavaScript to any webpage? `<` \_\_\_\_\_ `>`
  10. What is an event? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

How does JavaScript use events? \_\_\_\_\_  
\_\_\_\_\_

## Part 4: Make it your own

Use the code to make a page about yourself or your favorite hobby!

1. Copy the code from the project into a new `.html` file in NotePad.
2. Update the any of the content to represent you or your hobby.
3. Link external pages by adjusting the static `<a>` tags on the page.
4. **Challenge:** Make the "Like" button on your site work.