DAY 1

Q1

What does Math.floor() do?

It truncates the decimal values from a floating-point number

It generates decimal numbers of the number digits that are passed in as an argument

It picks a random number and attaches it to the prototype

It takes a decimal and invokes it up to the next higher integer value

ANSWER: It truncates the decimal values from a floating-point number

Q2

When used inside of an object, ‘this’ refers to:

The object that it is used in

Any variable that is declared either immediately before or immediately after the use of this

The block of code following this

The function concatenation that it is used inside of

ANSWER: The object that it is used in

Q3

var rabbit = {}; This line of code creates an object by using:

Cascading prototypal inheritance

A constructor function

Object literal notation

Properties and methods

ANSWER: Object literal notation

Q4

In the line of code

var turtle = newAnimal("Michelangelo",1);

"Michelangelo" and 1 are

Function expressions

Variables

Arguments

Instantiations

ANSWER: Arguments

Q5

What is the term we use for a function that is associated with (or, attached to) an object?

A method

An instance

An ability

An action

ANSWER: A method

Q6

What does DOM stand for?

Distribution of Methods

Domain Oriented Manipulation

Document Object Model

Direct Object-oriented Maintenance

ANSWER Document Object Model

Q7

True/False: An object is a collection of properties and methods

True

False

ANSWER: False

Q8

True/False: Figuring out your problem domain should only be done after you start writing code; otherwise you do not know whether the code works

True

False

ANSWER: False

Q9

True/False: JavaScript cannot be used to manipulate HTML elements; it is only used in web applications to solve arithmetic calculations.

True

False

ANSWER: False

Q10

Which is the correct way to invoke the wizardsOfMiddleEarth function.

function wizardsOfMiddleEarth() {

this.gray = "Gandalf";

this.white = "Saurumon";

this.brown = "Radaghast";

this.blue = ["Alatar", "Pallando"];

return this.gray + this.white + this.brown + this.blue[0] + this.blue [1]; }

new wizardsOfMiddleEarth();

wizardsOfMiddleEarth;

wizardsOfMiddleEarth();

wizardsOfMiddleEarth()

ANSWER: wizardsOfMiddleEarth();

DAY 2

Q1

The elements we need to put inside of a form are: input, button and \_\_\_\_\_?

Submit

Label

Legend

Click

ANSWER: Label

Q2

A function \_\_\_\_\_\_\_\_\_\_\_\_ loads before any code is executed.

Return

Declaration

Expression

Invocation

ANSWER: Declaration

Q3

What is the error in the following JavaScript code, assuming that there is a button in the corresponding HTML with an ID of "pugbomb":

var pugbombButton = document.getElementById('pugbomb'); pugbombButton.addEventListener('click', pugbombButtonHandler());

function pugbombButtonHandler() { alert('PUGBOMB!!!!'); }

The event listener will not work because the handler function is defined later in the code

The last closing curly brace at the end of the excerpt needs a semicolon

The handler function is being called inside of the event listener

The name of the JS variable 'pugbombButton' and the HTML ID 'pugbomb' must be the exact same for the event handler to work correctly

'click' is in the wrong position within the.addEventListener() arguments ');

ANSWER: The handler function is being called inside of the event listener

Q4

A function \_\_\_\_\_\_\_\_\_\_ loads only when the interpreter reaches that line of code.

Return

Invocation

Expression

Declaration

ANSWER: Expression

Q5

In the following code which line shows the conflicting code from your working branch?

1 <<<<<<<<<<< HEAD

2 <h1>Code Fellows</h1>

3 ===========

4 <p>Code Fellows</p>

5 >>>>>>>>>>> master

Line 1

Line 2

Line 3

Line 4

ANSWER: Line 2

Q6

What property is used to change the text color of an element?

Color

Textcolor

Font-color

Fontcolor

ANSWER: Color

Q7

Given the following code what style should be applied to make the images stack vertically?

<section class=”isenguard”>

<img class=”lotr” src=”orcsWithAxes.gif” alt=”Chopping Down Trees”>

<img class=”lotr” src=”treeBeard.png” alt=”Stomping on Orcs”>

<img class=”lotr” src=”riverDam.jpg” alt=”Dam breaking”>

</section>

.lotr{display:block;}

.isenguard{display:inline;}

#lotr{display:block;}

.isenguard{display:block;}

ANSWER: .lotr{display:block;}

Q8

The \_\_\_\_\_ property allows you to add properties and methods to objects with the same constructor function

Prototype

ANSWER: Prototype

Q9

To add rows to your tables, use which tags?

<cr> & </cr>

<tr> & </tr>

<td> & </td>

<th> & </th>

ANSWER: <tr> & </tr>

Q10

Increasing the cellpadding value will what?

Increase the distance between cell and content

Increase the space between cells

Increase the softness of your site

Increase the border width

ANSWER: Increase the distance between cell and content

DAY 3

Q1

What can we attach to DOM elements to respond to events in the system?

Event Handlers

Event Listeners

Event Processors

Event Coordinators

ANSWER: Event Listeners

Q2

What method do we use to create an event listener?

element.makeEventListener()

element.listen()

element.on()

element.addEventListener

ANSWER: element.addEventListener

Q3

A form label element:

extends mouse functionality for clickable input to the label text.

causes the label text to appear more prominently in the rendered page.

can only be located next to the form field it is associated with.

allows the visitor to provide a label for information being entered.

ANSWER: extends mouse functionality for clickable input to the label text.

Q4

The items for selection in a form menu are defined using which tag?

<li>

<option>

<select>

<menuitem>

ANSWER: <option>

Q5

Why is the event.preventDefault() command used?

To prevent the setting of default data values in the database.

To prevent the execution of default actions in response to an event trigger.

To enforce the submission of a form.

To stop execution of all code.

ANSWER: To prevent the setting of default data values in the database.

Q6:

Which event trigger indicates the DOM has finished loading and processing?

DOMContentLoaded

DOMReady

DOMFinished

DocumentReady

ANSWER: DOMContentLoaded

Q7

The name attribute of a form input field:

identifies the data item when the form is submitted to the server.

must be unique within the form.

allows the item to be accessed via JavaScript.

all the above.

ANSWER: All the above

Q8

The following example uses what type of function to handle an event?

element.addEventListener(\'click\', function(event){});

named function

anonymous function

inline function

arrow function

ANSWER: anonymous function

Q9

What property on the event object contains the DOM object that invoked the event?

Event.element

Event.source

Event.target

Event.invoker

ANSWER: Event.target

Q10

Inside the for loop, what name is used to refer to each individual button element?

saveButtons[]

button

event

undefined

ANSWER: button

DAY 4

Q1

Which CSS property is used to set the spacing outside of elements?

spacer

margin

padding

border

ANSWER: margin

Q2

Which CSS property is used to set the spacing inside of elements?

spacer

margin

padding

border

ANSWER: padding

Q3

Select the CSS declaration necessary to center an element (using spacing outside of the element).

margin: auto 0;

margin: 0 auto;

margin-all: auto;

margin: center;

ANSWER: margin: 0 auto;

Q4

Not specifying a CSS height property for an element will allow it to stretch vertically based on the content within.

TRUE

FALSE

ANSWER: True

Q5

If an element is set to display: block;, which CSS declaration(s) will set its minimum width to 600px and its maximum to 1000px?

width: 1000px; minimum-width: 600px;

min-width: 600px; max-width: 1000px;

width: > 600px < 1000px;

width: 600px 1000px;

ANSWER: min-width: 600px; max-width: 1000px;

Q6

Which CSS property has the ability to change the way elements display (inline versus block)?

visibility

overflow

display

Both A and B.

ANSWER: display

Q7

Select the most appropriate CSS declaration to position a <div> element so that other elements that follow after it may occupy space to the right of it.

float: left;

float: none;

position: left;

position: right;

ANSWER: float: left;

Q8

Select the most appropriate CSS declaration to position a <div> element so that other elements that follow after it may occupy space to the left of it.

position: right;

float: none;

position: left;

float: right;

ANSWER: float: right;

Q9

Select the most appropriate CSS declaration(s) to set an element to absolute positioning in the top right corner.

position: top right;

position: absolute; top: 0; right: 0;

position: absolute; top: 0; left: 0;

None of the above.

ANSWER: position: absolute; top: 0; right: 0;

Q10

Fill in the blank: \_\_\_\_\_\_\_\_ positioning makes an element appear in the same place relative to the browser window even when scrolling occurs.

absolute

static

fixed

inherent

ANSWER: fixed

DAY 5

Q1

Your classmate has an account on GitHub, with a username of "naman14". She has a repository called "Timber". To download the "Timber" Git repository on your local machine for the first time, you would issue which of following Git commands

git init <https://github.com/naman14/Timber.git>

git clone <https://github.com/naman14/Timber.git>

git pull origin <https://github.com/naman14/Timber.git>

git merge <https://github.com/naman14/Timber.git>

ANSWER: git clone <https://github.com/naman14/Timber.git>

Q2

Consider the following HTML code:

<!DOCTYPE HTML>

<html>

<head>

<title>Movie Review</title>

</head>

<body>

<div>

<h1>Brief Review: <cite>John Doe</cite></h1>

<p>Detailed Review by Alison</p>

</div>

<div>

<h2>The Best Movie <em>EVER</em></h2>

<p>The movie <cite>New Movie</cite> was the best action movie ever produced!!</p>

</div>

</body>

</html>

Which of the following CSS declarations will change the color of text inside all <cite> tags to red?

cite {color: red}

div .cite {color: red}

p cite {color: red}

.cite {color: red}

ANSWER: cite {color: red}

Q3

Consider the following CSS declaration:

h1 { border-width: 5px; border: dashed blue; }

After adding the CSS properties listed above, what will be the rendered width of the border around an <h1>?

Medium

Dashed

5 px

Blue

ANSWER: medium

Q4

Which of the following statements about the CSS float property are true?

A. The CSS "float" property affects the layout of elements in a page

B. Content flows down the right side of a left-floated box

C. Adding a "float" CSS property allows an element to be positioned outside its containing element

D. "float" CSS property can have pixel values such as "10px" or string values such as "left", "right"

E. "clear" CSS property can prevent content from trying to flow around or alongside a floated element

A, B, C, D & E

A, B & E

C & E

B, C & D

ANSWER: A, B & E

Q5

Which of the following best describes fixed positioning?

Relative to the box's original location, the box is offset by a certain distance

The box is placed relative to its containing box

Subsequent text is flowed around the positioned box, according to the box's new left or right location

The box is held in the same location even if the page is scrolled

ANSWER: The box is held in the same location even if the page is scrolled

Q6

Which of following statements are true about absolute positioning?

A. Absolute positioning lets you determine an element’s location by specifying a left, right, top, or bottom position in pixels, ems, or percentages

B. Adding the following CSS properties to an element will always make it show up on top left corner of an HTML page

{

position: absolute;

top: 0px;

left: 0px;

}

C. When using absolute positioning, an element is taken out of normal flow and is positioned in relation to its containing element

D. There is no difference between "position:absolute" and "position:fixed" CSS properties

B, C & D

A, B, C & D

A & C

A, C & D

ANSWER: A & C

Q7

Which of the following statements would evaluate as truthy, given the below variable definitions?

var dog = {

breed: "Beagle",

weight: 30,

group: "Hound" }

var key = "weight";

A. dog[key] === 30

B. dog["weight"] == "30";

C. "weight" in dog

D. dog.weight

E. dog.key === 30;

F. dog.hasOwnProperty('weight');

A, B, C, D & F

B & C

A, C, & E

All the above

ANSWER: A, B, C, D & F

Q8

Consider the following JavaScript objects:

var john = new Object();

john.name = "John Doe";

john.age = 30;

var henry = {

name: "Henry",

age: 24 };

Which of the following statements best describes the two objects above?

Only john is an object and can have additional properties added to it

Only henry is an object and can have additional properties added to it

Both john and henry are valid objects and can have additional properties added to them

Both john and henry are valid objects, however only henry can have additional properties added to it

ANSWER: Both john and henry are valid objects and can have additional properties added to them

Q9

Consider the following JavaScript code and pick the statement that best describes the code:

function Dog (name, age) {

this.name = name;

this.age = age;

}

var ageDiff = function(dog1, dog2) {

return Math.abs(dog1.age - dog2.age);

}

ageDiff(new Dog("Sparky", 12), new Dog("Molly", 8));

JavaScript engine will create two Dog objects but won't assign values to their properties while calling function ageDiff

Since objects cannot be passed as parameters, the JavaScript engine will just take age variables, 12 and 8, to calculate age difference and no object will be create

The JavaScript engine will create two Dog objects, then pass them as arguments to function ageDiff

The JavaScript engine will call the function ageDiff first,then create two Dog objects to calculate the age difference

ANSWER: The JavaScript engine will create two Dog objects, then pass them as arguments to function ageDiff

Q10

Which of the following is true about JavaScript object properties?

A. All properties are automatically public and can be accessed through "." operation

B. All properties are automatically private but may be accessed by using ‘prototype’ ''

C. Variables declared inside constructor functions are private and cannot be directly accessed as properties

D. Variables declared inside constructor functions are globally scoped

E. Properties that contain boolean values may not be accessed with bracket notation and are only accessible through “.” Operation

D, C, & E

A & D

A & C

B, C, D & E

ANSWER: A & C