

JavaScript Algorithm 1

Name: *Marc James G. Montero*

Wave: *WD37*

Instructor: *Alfren James Cabuquit*

1.

The screenshot shows the Coding Dojo website interface for a JavaScript challenge. The top navigation bar includes the Coding Dojo logo, progress indicators for Lessons (0%), Challenges (0%), and Assessment (0%), and the user's name, Marc James Montero. The left sidebar lists the course structure, with Level 1 (0/5) selected. The main content area is titled 'Level 1 Challenge 1' and contains the instruction 'Predict the output of the following code:'. The code is as follows:

```
1 var x = 5;
   Leave a Note
2 console.log(x);
   Leave a Note
```

Below the code, the user has entered the number '5'. To the right of the code input is a 'T Diagram' table:

Variable	Values
x	5
a,b,c	1,2,3

At the bottom of the challenge area, there is a 'SUBMIT' button and a 'NEXT ACTIVITY' button. Below the submit button, a green play button icon is followed by the text 'Hey, you got it right! Wanna see how we did it?'. A 'Report a Mistake?' link is located at the bottom right of the challenge area.

2.

The screenshot shows the Coding Dojo website interface. The top navigation bar includes the Coding Dojo logo, progress indicators for Lessons (0%), Challenges (0%), and Assessment, and the user name Marc James Montero. The sidebar on the left lists the Lesson structure: Introduction, Level 1 (2/5) with sub-activities 1 through 5, and Levels 2 through 12. The main content area is titled 'Level 1 Challenge 2' and asks the user to 'Predict the output of the following code:'. The code is as follows:

```
1 var x = 3;
2 x = x+1;
3 console.log(x);
```

A text box below the code states: 'This is overflowing system where you will be able to add x variable value to x=x+1. In some programming language this is not possible'. To the right of the code is a 'T Diagram' table:

Variable	Values
x	3
x	4
a,b,c	1,2,3

At the bottom of the main area, there is a text input field containing the number '4', a 'SUBMIT' button, and a 'NEXT ACTIVITY' button. Below the input field is a green play button icon and a hint: 'Hey, you got it right! Wanna see how we did it?'. A 'Report a Mistake?' link is located at the bottom right.

3.

The screenshot shows the Coding Dojo website interface for Level 1 Challenge 3. The top navigation bar and sidebar are the same as in the previous screenshot. The main content area is titled 'Level 1 Challenge 3' and asks the user to 'Predict the output of the following code:'. The code is as follows:

```
1 var x = 3;
2 x = x+2;
3 console.log(x+2);
4 console.log(x);
```

To the right of the code is a 'T Diagram' table:

Variable	Values
x	3
x	5
a,b,c	1,2,3

At the bottom of the main area, there is a text input field containing the values '7,5', a 'SUBMIT' button, and a 'NEXT ACTIVITY' button. Below the input field is a green play button icon and a hint: 'Hey, you got it right! Wanna see how we did it?'. A 'Report a Mistake?' link is located at the bottom right.

4.

algorithm.codingdojo.com/lesson

LESSONS 0% CHALLENGES 0% ASSESSMENT

Marc James Montero

Lessons 0%

Level 1 (4/5)

Activity 1 00:27

Activity 2 00:34

Activity 3 00:40

Activity 4 04:06

Activity 5

Level 2 (0/13)

Level 3 (0/15)

Level 4 (0/8)

Level 5 (0/10)

Level 6 (0/18)

Level 7 (0/5)

Level 8 (0/5)

Level 9 (0/5)

Level 10 (0/5)

Level 11 (0/5)

More on functions

Level 12 (0/21)

Reset All Levels

Level 1 Challenge 4

Download this video

Predict the output of the following code:

```
1 var x = 3;
2 x = x*x;
3 console.log(x);
4 console.log(x*2);
```

T Diagram

Variable	Values
x	3
x	9
a,b,c	1,2,3

9,18

SUBMIT

NEXT ACTIVITY

Hey, you got it right! Wanna see how we did it?

Report a Mistake?

5.

algorithm.codingdojo.com/lesson

LESSONS 8% CHALLENGES 0% ASSESSMENT

Marc James Montero

Lessons 8%

Level 1 (5/5)

Activity 1 00:27

Activity 2 00:34

Activity 3 00:40

Activity 4 04:06

Activity 5 00:46

Level 2 (0/13)

Level 3 (0/15)

Level 4 (0/8)

Level 5 (0/10)

Level 6 (0/18)

Level 7 (0/5)

Level 8 (0/5)

Level 9 (0/5)

Level 10 (0/5)

Level 11 (0/5)

More on functions

Level 12 (0/21)

Reset All Levels

Level 1 Challenge 5

Download this video

Predict the output of the following code:

```
1 var x = 2;
2 var y = 5;
3 var z = x+y;
4 console.log(z);
```

T Diagram

Variable	Values
x	2
y	5
z	7
a,b,c	1,2,3

7

SUBMIT

NEXT ACTIVITY

Hey, you got it right! Wanna see how we did it?

Report a Mistake?