

WD37 - Full-Stack Web Develop...Your Guide to Learn Programmin...algorithm.codingdojo.com/lesson#

CODING DOJO

LESSONS8%CHALLENGES0%ASSESSMENT

Charles Heculi

Lessons8%

Introduction

Level 1 (5/5)

Level 2 (1/13)

Activity 100:47

Activity 2

Activity 3

Activity 4

Activity 5

Activity 6

Activity 7

Activity 8

Activity 9

Activity 10

Activity 11

Activity 12

Activity 13

Reset All Levels

Level 2Challenge 1

Predict the output of the following code:

1var x = [1,2,4];

2console.log(x);

it will print [1, 2, 4]

[1, 2, 4]

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

T Diagram

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

Type here to search

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Introduction

Level 1 (5/5)

Level 2 (2/13)

Activity 100:47

Activity 201:38

Activity 3

Activity 4

Activity 5

Activity 6

Activity 7

Activity 8

Activity 9

Activity 10

Activity 11

Activity 12

Activity 13

Reset All Levels

Level 2Challenge 2

Predict the output of the following code:

1var x = [1,3,5];

2console.log(x[0]);

it will print 1 since the index of 1 is 0

1

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

T Diagram

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

Type here to search

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Introduction

Level 1 (5/5)

Level 2 (3/13)

Activity 1 00:47

Activity 2 01:38

Activity 3 00:52

Activity 4

Activity 5

Activity 6

Activity 7

Activity 8

Activity 9

Activity 10

Activity 11

Activity 12

Activity 13

Reset All Levels

Level 2 Challenge 3

Predict the output of the following code:

1var x = [2,4,6];

2console.log(x[1]);

it will print 4 since the index of 4 is 1

4

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

T Diagram

Variable	Values
x	[2, 4, 6]
a,b,c	1,2,3

Type here to search

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Introduction

Level 1 (5/5)

Level 2 (4/13)

Activity 1 00:47

Activity 2 01:38

Activity 3 00:52

Activity 4 00:49

Activity 5

Activity 6

Activity 7

Activity 8

Activity 9

Activity 10

Activity 11

Activity 12

Activity 13

Reset All Levels

Level 2 Challenge 4

Predict the output of the following code:

1var x = [1,3,5];

2console.log(x[2]);

it will print 5 since the index of 5 is 2

5

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

T Diagram

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

Type here to search

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Introduction

Level 1 (5/5)

Level 2 (5/13)

Activity 1 00:47

Activity 2 01:38

Activity 3 00:52

Activity 4 00:49

Activity 5 00:44

Activity 6

Activity 7

Activity 8

Activity 9

Activity 10

Activity 11

Activity 12

Activity 13

Reset All Levels

Level 2 Challenge 5

Predict the output of the following code:

1var x = [1,3];

2console.log(x[0]);

it will print 1.3 since the index for 1.3 is 0

1.3

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

T Diagram

Variable	Values
x	[1,3]
a,b,c	1,2,3

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Activity 7

Activity 8

Activity 9

Activity 10

Activity 11

Activity 12

Activity 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

Final 17 (0/21)

Reset All Levels

Level 2 Challenge 6

Predict the output of the following code:

1var x = [1,2,4];

2x[0] = x[1];

the index 0 of variable x will change to 2

3console.log(x);

it will print [2,2,4]

[2,2,4]

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

T Diagram

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

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Activity 701:05
Activity 8
Activity 9
Activity 10
Activity 11
Activity 12
Activity 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 (0/7)
Reset All Levels

Level 2Challenge 7

Predict the output of the following code:

1var x = [1,3,5];

2var y = x.length;

3console.log(y);

it will print the number of objects inside the array

3

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

T Diagram

Variable	Values
x	[1,3,5]
y	[1,3,5]
a,b,c	1,2,3

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Activity 300:52
Activity 400:49
Activity 500:44
Activity 603:09
Activity 701:05
Activity 807:04
Activity 9
Activity 10
Activity 11
Activity 12
Activity 13
Level 3 (0/15)
Level 4 (0/8)
Level 5 (0/10)
Level 6 (0/18)
Level 7 (0/5)
Reset All Levels

Level 2Challenge 8

Predict the output of the following code:

1var x = [2,4,6,3,7];

Leave a Note

2var y = x.length - 2;

5 - 2 = 3

3console.log(x[y]);

x[3] = 3

3

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

T Diagram

Variable	Values
x	[2,4,6,3,7]
y	3
a,b,c	1,2,3

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Activity 200:00Activity 300:52Activity 400:49Activity 500:44Activity 603:09Activity 701:05Activity 807:04Activity 901:23Activity 10Activity 11Activity 12Activity 13Level 3 (0/15)Level 4 (0/8)Level 5 (0/10)Level 6 (0/18)Level 7 (0/5)Reset All Levels

Level 2Challenge 9

Predict the output of the following code:

1var x = [2,4,6,3,7];2var y = x.length;3console.log(x[y-1]);

x[5-1] = 4

T Diagram

Variable	Values
x	[2,4,6,3,7]
y	5
a,b,c	1,2,3

7SUBMITNEXT ACTIVITY

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

Report a Mistake?

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LESSONS 8%CHALLENGES 0%ASSESSMENT

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Lessons 8%

Activity 200:00Activity 300:52Activity 400:49Activity 500:44Activity 603:09Activity 701:05Activity 807:04Activity 901:23Activity 1002:29Activity 11Activity 12Activity 13Level 3 (0/15)Level 4 (0/8)Level 5 (0/10)Level 6 (0/18)Level 7 (0/5)Reset All Levels

Level 2Challenge 10

Predict the output of the following code:

1var x = [1,3,5,7];2x[0] = x[x.length-2];

x[4 - 2] = x[2] therefore, the answer is [5,3,5,7]

3console.log(x);

T Diagram

Variable	Values
x	[1,3,5,7]
a,b,c	1,2,3

[5,3,5,7]SUBMITNEXT ACTIVITY

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

Report a Mistake?

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Activity 300:52

Activity 400:49

Activity 500:44

Activity 603:09

Activity 701:05

Activity 807:04

Activity 901:23

Activity 1002:29

Activity 1102:36

Activity 12

Activity 13

Level 3 (0/15)

Level 4 (0/8)

Level 5 (0/10)

Level 6 (0/18)

Level 7 (0/5)

Reset All Levels

Level 2Challenge 11

Predict the output of the following code:

1var x = [1,3,5,7];

2x[x.length-3] = x[x.length/2+x.length/4];

x[1]= x[3] so it will print [1,7,5,7]

3console.log(x);

[1,7,5,7]

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

T Diagram

Variable	Values
x	[1,3,5,7]
a,b,c	1,2,3

Type here to search

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Introduction

Level 1 (5/5)

Level 2 (12/13)

Activity 100:47

Activity 201:38

Activity 300:52

Activity 400:49

Activity 500:44

Activity 603:09

Activity 701:05

Activity 807:04

Activity 901:23

Activity 1002:29

Activity 1102:36

Activity 1205:23

Activity 13

Reset All Levels

Level 2Challenge 12

Predict the output of the following code:

1var x = [1,3,5,7];

2var y = [2,4,6];

3x[2] = y[x.length-3];

x[2] = y[4-3]=y[1]

4console.log(x);

[1,3,4,7]

[1,3,4,7]

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

T Diagram

Variable	Values
x	[1,3,5,7]
y	[2,4,6]
a,b,c	1,2,3

Type here to search

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Introduction

Level 1 (5/5)

Level 2 (13/13)

Activity 100:47

Activity 201:38

Activity 300:52

Activity 400:49

Activity 500:44

Activity 603:09

Activity 701:05

Activity 807:04

Activity 901:23

Activity 1002:29

Activity 1102:36

Activity 1205:23

Activity 1329:13

Reset All Levels

Level 2Challenge 13

Predict the output of the following code:

1var x = [1,3,5,7];

2var y = [2,4,6];

3x[2] = y[x.length-3] + x[x[0] + y[0]];

x[2] = y[1] + x[x[1] + y[2]]

x[2] = y[1] + x[3]

x[2] = y[4] + x[7] ----> x[2] = 11

4console.log(x);

[1,3,11,7]

[1,3,11,7]

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

T Diagram

Variable	Values
x	[1,3,5,7]
y	[2,4,6]
a,b,c	1,2,3

Type here to search

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