

JavaScript Algorithm 2

CODING DOJO

LESSONS 8%CHALLENGES 0%ASSESSMENT

Jerome Kent Bayubay

Lessons 8%

Introduction

Level 1 (5/5)

Level 2 (1/13)

Activity 1 01:09

Activity 2

Activity 3

Activity 4

Activity 5

Activity 6

Activity 7

Activity 8

Activity 9

Reset All Levels

Level 2 Challenge 1

Predict the output of the following code:

1

var x = [1,2,4];

x=[1,2,4]

2

console.log(x);

print x which is [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 |

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Introduction

Level 1 (5/5)

Level 2 (2/13)

Activity 1 01:09

Activity 2 00:58

Activity 3

Activity 4

Activity 5

Activity 6

Activity 7

Activity 8

Activity 9

Reset All Levels

Level 2 Challenge 2

Predict the output of the following code:

1

var x = [1,3,5];

x=[1,3,5]

2

console.log(x[0]);

print x index 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 |

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Introduction

Level 1 (5/5)

Level 2 (3/13)

Activity 1 01:09

Activity 2 00:58

Activity 3 00:45

Activity 4

Activity 5

Activity 6

Activity 7

Activity 8

Activity 9

Reset All Levels

Level 2 Challenge 3

Predict the output of the following code:

1

var x = [2,4,6];

x=[2,4,6]

2

console.log(x[1]);

print x index 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 |

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Introduction

Level 1 (5/5)

Level 2 (4/13)

Activity 101:09

Activity 200:58

Activity 300:45

Activity 400:38

Activity 5

Activity 6

Activity 7

Activity 8

Activity 9

Reset All Levels

Level 2Challenge 4

Predict the output of the following code:

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

x=[1,3,5]

2console.log(x[2]);

print x index 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 |

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Introduction

Level 1 (5/5)

Level 2 (5/13)

Activity 101:09

Activity 200:58

Activity 300:45

Activity 400:38

Activity 500:49

Activity 6

Activity 7

Activity 8

Activity 9

Reset All Levels

Level 2Challenge 5

Predict the output of the following code:

1var x = [1,3];

x=[1,3]

2console.log(x[0]);

print x index 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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Introduction

Level 1 (5/5)

Level 2 (6/13)

Activity 101:09

Activity 200:58

Activity 300:45

Activity 400:38

Activity 500:49

Activity 602:01

Activity 7

Activity 8

Activity 9

Reset All Levels

Level 2Challenge 6

Predict the output of the following code:

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

x=[1,2,4]

2x[0] = x[1];

let x[0]=x[1]

x=[2,2,4]

3console.log(x);

print x which is [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] |
| x | [2,2,4] |
| a,b,c | 1,2,3 |

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Introduction

Level 1 (5/5)

Level 2 (7/13)

Activity 101:09

Activity 200:58

Activity 300:45

Activity 400:38

Activity 500:49

Activity 602:01

Activity 700:58

Activity 8

Activity 9

Reset All Levels

Level 2Challenge 7

Predict the output of the following code:

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

x=[1,3,5]

2var y = x.length;

y=3

3console.log(y);

print y which is 3

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 | 3 |
| a,b,c | 1,2,3 |

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Introduction

Level 1 (5/5)

Level 2 (8/13)

Activity 1 01:09

Activity 2 00:58

Activity 3 00:45

Activity 4 00:38

Activity 5 00:49

Activity 6 02:01

Activity 7 00:58

Activity 8 01:48

Activity 9

Reset All Levels

Level 2 Challenge 8

Predict the output of the following code:

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

x=[2,4,6,3,7]

2 var y = x.length - 2;

y=5-2
y=3

3 console.log(x[y]);

print x index 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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Introduction

Level 1 (5/5)

Level 2 (9/13)

Activity 1 01:09

Activity 2 00:58

Activity 3 00:45

Activity 4 00:38

Activity 5 00:49

Activity 6 02:01

Activity 7 00:58

Activity 8 01:48

Activity 9 02:00

Reset All Levels

Level 2 Challenge 9

Predict the output of the following code:

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

x=[2,4,6,3,7]

2 var y = x.length;

y=5

3 console.log(x[y-1]);

x[5-1] = x [4]
print x index 4

7

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 | 5 |
| a,b,c | 1,2,3 |

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ASSESSMENT

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Level 2 (9/13)

Activity 1 01:09

Activity 2 00:58

Activity 3 00:45

Activity 4 00:38

Activity 5 00:49

Activity 6 02:01

Activity 7 00:58

Activity 8 01:48

Activity 9 02:00

Activity 10 02:31

Activity 11

Activity 12

Reset All Levels

Level 2 Challenge 10

Predict the output of the following code:

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

x=[1,3,5,7]

2 x[0] = x[x.length-2];

let x1[] = x [4-2]
x[0] = x[2]
x=[5,3,5,7]

3 console.log(x);

print x which is [5,3,5,7]

[5,3,5,7]

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

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CHALLENGES 0%

ASSESSMENT

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Level 2 (10/13)

Activity 1 01:09

Activity 2 00:58

Activity 3 00:45

Activity 4 00:38

Activity 5 00:49

Activity 6 02:01

Activity 7 00:58

Activity 8 01:48

Activity 9 02:00

Activity 10 02:31

Activity 11 03:00

Activity 12

Reset All Levels

Level 2 Challenge 11

Predict the output of the following code:

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

x=[1,3,5,7]

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

x[1]=x[2+1]
x[1]=x[3]
x=[1,7,5,7]

3 console.log(x);

print x which is [1,7,5,7]

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

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Activity 300:45

Activity 400:38

Activity 500:49

Activity 602:01

Activity 700:58

Activity 801:48

Activity 902:00

Activity 1002:31

Activity 1103:00

Activity 1202:38

Activity 13

Level 3 (0/15)

Level 4 (0/8)

Reset All Levels

Level 2Challenge 12

Predict the output of the following code:

y=[2,4,6]

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

x[x.length-4]=x[x.length-3]

x[2]=y[1]

x=[1,3,4,7]

4console.log(x);

print x which is [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?

CODING DOJO

LESSONS 16%CHALLENGES 0%ASSESSMENT

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Lessons16%

Activity 300:45

Activity 400:38

Activity 500:49

Activity 602:01

Activity 700:58

Activity 801:48

Activity 902:00

Activity 1002:31

Activity 1103:00

Activity 1202:38

Activity 1304:27

Level 3 (0/15)

Level 4 (0/8)

Reset All Levels

Level 2Challenge 13

Predict the output of the following code:

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

y=[2,4,6]

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

x[x.length-4]=x[x.length-3]

x[2]=11

x=[1,3,11,7]

4console.log(x);

print x which is [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?