

Observation

Javascript Algorithm 2

1.

Lessons

8%

Introduction

Level 1 (5/5)

Level 2 (1/13)

Activity 10:53

Activity 2

Activity 3

Activity 4

Activity 5

Activity 6

Activity 7

Activity 8

Activity 9

Activity 10

Activity 11

Activity 12

Activity 13

Level 3 (0/16)

Level 4 (0/10)

Level 5 (0/10)

Level 6 (0/10)

Level 7 (0/5)

Level 8 (0/5)

Report 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);

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 |

2.

Lessons

8%

Introduction

Level 1 (5/5)

Level 2 (2/13)

Activity 10:53

Activity 20:08

Activity 3

Activity 4

Activity 5

Activity 6

Activity 7

Activity 8

Activity 9

Activity 10

Activity 11

Activity 12

Activity 13

Level 3 (0/16)

Level 4 (0/10)

Level 5 (0/10)

Level 6 (0/10)

Level 7 (0/5)

Level 8 (0/5)

Report 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]);

console.log(x[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 |

3.

Lessons

8%

Introduction

Level 1 (5/5)

Level 2 (3/13)

Activity 10:53

Activity 20:08

Activity 302:06

Activity 4

Activity 5

Activity 6

Activity 7

Activity 8

Activity 9

Activity 10

Activity 11

Activity 12

Activity 13

Level 3 (0/16)

Level 4 (0/10)

Level 5 (0/10)

Level 6 (0/10)

Level 7 (0/5)

Level 8 (0/5)

Report 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]);

console.log(x[1]);

It will print 4

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 |

4.

Lessons

8%

Introduction

Level 1 (5/5)

Level 2 (4/15)

Activity 10:51

Activity 20:08

Activity 30:05

Activity 40:55

Activity 5

Activity 6

Activity 7

Activity 8

Activity 9

Activity 10

Activity 11

Activity 12

Activity 13

Level 3 (0/16)

Level 4 (0/8)

Level 5 (0/10)

Level 6 (0/18)

Level 7 (0/5)

Level 8 (0/15)

Level 2 ▶ Challenge 4

Predict the output of the following code:

1

var x = [1,3,5];

var x = [1,3,5];

2

console.log(x[2]);

console.log(x[2]);

it will print 5

5

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

5.

Lessons

8%

Introduction

Level 1 (5/5)

Level 2 (5/15)

Activity 10:53

Activity 20:08

Activity 30:05

Activity 40:55

Activity 50:57

Activity 6

Activity 7

Activity 8

Activity 9

Activity 10

Activity 11

Activity 12

Activity 13

Level 3 (0/16)

Level 4 (0/8)

Level 5 (0/10)

Level 6 (0/18)

Level 7 (0/5)

Level 8 (0/15)

Level 2 ▶ Challenge 5

Predict the output of the following code:

1

var x = [1,3];

x = [1,3];

2

console.log(x[0]);

console.log(x[0]);

it will print 1,3

1,3

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

6.

Lessons

8%

Introduction

Level 1 (5/5)

Level 2 (6/13)

Activity 10:53

Activity 20:08

Activity 30:05

Activity 40:55

Activity 50:57

Activity 60:18

Activity 7

Activity 8

Activity 9

Activity 10

Activity 11

Activity 12

Activity 13

Level 3 (0/16)

Level 4 (0/8)

Level 5 (0/10)

Level 6 (0/18)

Level 7 (0/5)

Level 8 (0/15)

Level 2 ▶ Challenge 6

Predict the output of the following code:

1

var x = [1,2,4];

var x = [1,2,4];

2

x[0] = x[1];

x[0] = x[1];

3

console.log(x);

console.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?

7.

Lessons

8%

Introduction

Level 1 (5/5)

Level 2 (7/13)

Activity 101:53

Activity 202:08

Activity 302:05

Activity 401:55

Activity 502:17

Activity 601:18

Activity 703:24

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 (0/8)

Level 7 (0/5)

Level 8 (0/15)

Report All Levels

Level 2 ▶ Challenge 7

Predict the output of the following code:

1

var x = [1,3,5];

var x = [1,3,5];

2

var y = x.length;

var y = x.length;

equivalent of variable y is 3

3

console.log(y);

console.log(y);

It will print 3

3

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

8.

Lessons

9%

Introduction

Level 1 (5/5)

Level 2 (8/13)

Activity 101:53

Activity 202:08

Activity 302:05

Activity 401:55

Activity 502:17

Activity 601:18

Activity 703:24

Activity 804:47

Activity 9

Activity 10

Activity 11

Activity 12

Activity 13

Level 3 (0/15)

Level 4 (0/8)

Level 5 (0/10)

Level 6 (0/8)

Level 7 (0/5)

Level 8 (0/15)

Report All Levels

Level 2 ▶ Challenge 8

Predict the output of the following code:

1

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

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

2

var y = x.length - 2;

var y = x.length - 2;

replace the value of x.length

3

console.log(x[y]);

console.log(x[y]);

It will print 3

3

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

9.

Lessons

9%

Introduction

Level 1 (5/5)

Level 2 (9/13)

Activity 101:53

Activity 202:08

Activity 302:05

Activity 401:55

Activity 502:17

Activity 601:18

Activity 703:24

Activity 804:47

Activity 903:30

Activity 10

Activity 11

Activity 12

Activity 13

Level 3 (0/15)

Level 4 (0/8)

Level 5 (0/10)

Level 6 (0/8)

Level 7 (0/5)

Level 8 (0/15)

Report All Levels

Level 2 ▶ Challenge 9

Predict the output of the following code:

1

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

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

2

var y = x.length;

var y = x.length;

replace the value of x.length

3

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

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

7

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

10.

Lessons9%

Introduction

Level 1 (5/5)

Level 2 (10/13)

Activity 101:53

Activity 202:08

Activity 302:05

Activity 401:55

Activity 502:17

Activity 601:18

Activity 703:24

Activity 804:47

Activity 902:30

Activity 1007:52

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)

I need to finish

Reset All Levels

Level 2Challenge 10

Predict the output of the following code:

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

2x[0] = x[x.length-2];
l = x[2];
replace the value of x.length

3console.log(x);
console.log(x);
it will print [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?

11.

Lessons9%

Level 1 (5/5)

Level 2 (11/13)

Activity 101:53

Activity 202:08

Activity 302:05

Activity 401:55

Activity 502:17

Activity 601:18

Activity 703:24

Activity 804:47

Activity 902:30

Activity 1007:52

Activity 1103:10

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)

Reset All Levels

Level 2Challenge 11

Predict the output of the following code:

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

2x[x.length-3] = x[x.length/2+x.length/4];
x[x.length-3] = x[x.length/2+x.length/4];
replace the value of x.length

3console.log(x);
console.log(x);

[1,7,5,7]

SUBMIT

NEXT ACTIVITY

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

Report a Mistake?

12.

Lessons9%

Activity 302:05

Activity 401:55

Activity 502:17

Activity 601:18

Activity 703:24

Activity 804:47

Activity 902:30

Activity 1007:52

Activity 1103:10

Activity 1202:55

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 (0/21)

Reset All Levels

Level 2Challenge 12?

Predict the output of the following code:

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

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

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

var y = [2,4,6];

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

x[2] = y[x.length-3];
replace the value of x.length

4console.log(x);

console.log(x);
it will print the [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?

13.

Lessons16%

Introduction

Level 1 (5/5)

Level 2 (13/13)

Activity 101:53

Activity 202:08

Activity 302:05

Activity 401:55

Activity 502:17

Activity 601:18

Activity 703:24

Activity 804:47

Activity 902:30

Activity 1007:52

Activity 1103:10

Activity 1202:55

Activity 1304:56

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)

Level 12 (0/5)

Level 13 (0/5)

Reset All Levels

Level 2Challenge 13?

Predict the output of the following code:

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

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

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

var y = [2,4,6];

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

x[2] = y[x.length-3] + x[0] + y[0] ;
replace the value of x.length

4console.log(x);

console.log(x);
it will print [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?