Task 1:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Full Introduction</title>
</head>
<body>
    <script>
        const firstName = prompt("Enter your first name:");
        const lastName = prompt("Enter your last name:");
        const age = prompt("Enter your age");
        console.log(`Hello, my name is ${firstName} ${lastName}. I am ${age}
years old.`);
    </script>
</body>
</html>
```
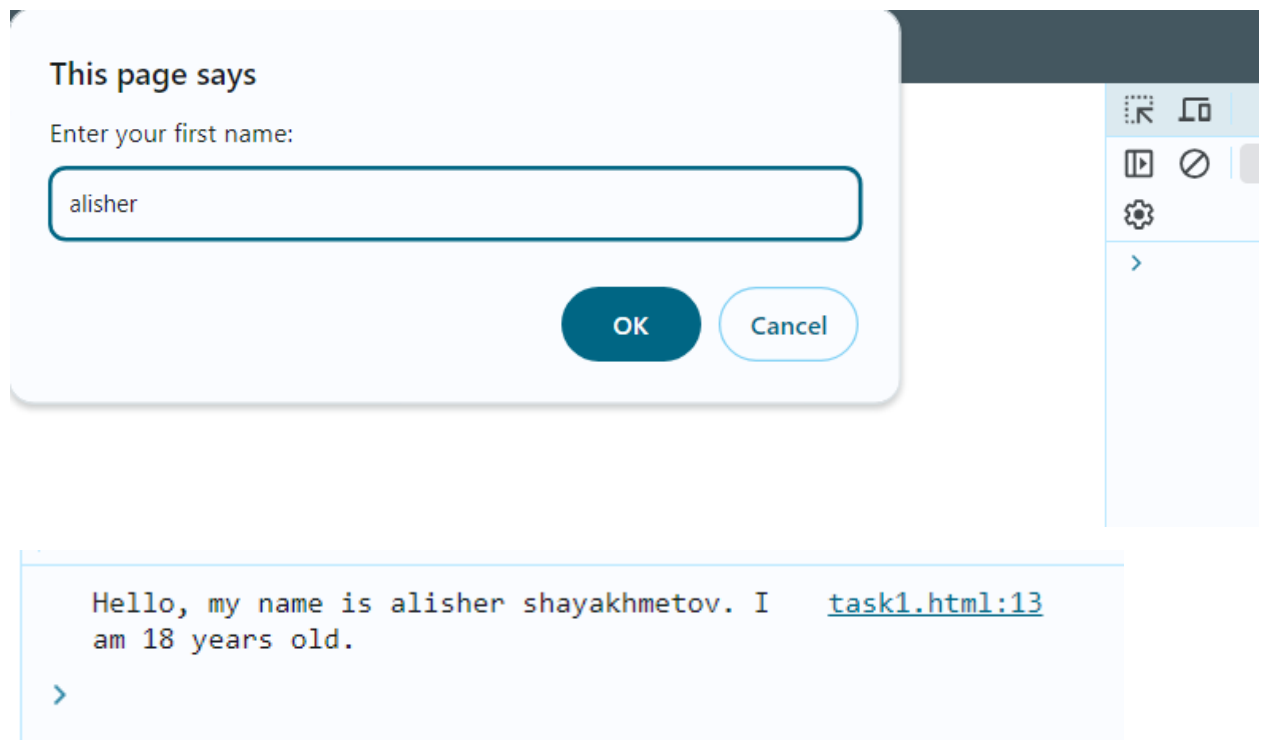
This page says

Enter your first name:

alisher

OK   Cancel

Hello, my name is alisher shayakhmetov. I   task1.html:13
am 18 years old.

>

Task 2:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Driver Eligibility</title>
</head>
<body>
    <script>
        const age = prompt("Enter your age:");
        const hasLicense = prompt("Do you have a driver's license? (yes/no)").toLowerCase();
        const isEligible = age >= 18 && hasLicense === 'yes';
        console.log(`Eligible to drive: ${isEligible ? 'yes' : 'no'}`);
    </script>
</body>
</html>
```

This page says

Enter your age:

18

OK   Cancel

Eligible to drive: no   task2.html:13

>

Task 3:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Even or Odd</title>
</head>
<body>
    <script>
        const number = prompt("Enter a number:");
        const isEven = number % 2 === 0;
        const isOdd = number % 2 !== 0;
        const isMultipleOf5 = number % 5 === 0;
        const isGreaterThan10 = number > 10;
        console.log(`You entered: ${number}`);
        console.log(`Is the number even? ${isEven}`);
        console.log(`Is the number odd? ${isOdd}`);
        console.log(`Is the number a multiple of 5? ${isMultipleOf5}`);
        console.log(`Is the number greater than 10? ${isGreaterThan10}`);
        if (isOdd && isMultipleOf5 && isGreaterThan10) {
            console.log("The number is special!");
        }
    </script>
</body>
</html>
```

This page says

Enter a number:

25

OK   Cancel

You entered: 25   task3.html:15

Is the number even? false   task3.html:16

Is the number odd? true   task3.html:17

Is the number a multiple of 5? true   task3.html:18

Is the number greater than 10? true   task3.html:19

The number is special!   task3.html:21

Task 4:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Type Check</title>
</head>
<body>
    <script>
        const numInput = prompt("Enter a number:");
        const stringInput = prompt("Enter a string:");
        const boolInput = prompt("Enter a boolean (true/false):");
        console.log(`Number Input: ${numInput} is of type ${typeof
Number(numInput)}`);
        console.log(`String Input: "${stringInput}" is of type ${typeof
stringInput}`);
        console.log(`Boolean Input: ${boolInput} is of type ${typeof (boolInput
=== 'true')}`);
    </script>
</body>
</html>
```

```
Number Input: 25 is of type number          task4.html:13

String Input: "alisher" is of type string   task4.html:14

Boolean Input: true is of type boolean       task4.html:15

>
```
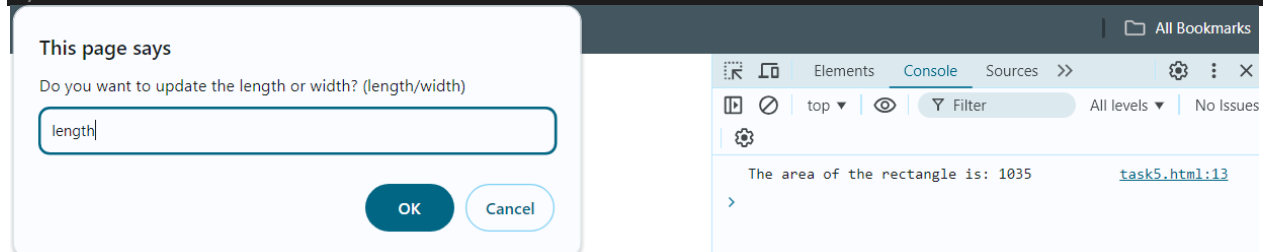
Task 5:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Rectangle Area</title>
</head>
<body>
    <script>
        let length = prompt("Enter the length of the rectangle:");
        let width = prompt("Enter the width of the rectangle:");
        let area = length * width;
        console.log(`The area of the rectangle is: ${area}`);
        const updateDimension = prompt("Do you want to update the length or
width? (length/width)").toLowerCase();
        if (updateDimension === "length") {
            length = prompt("Enter the new length:");
        } else if (updateDimension === "width") {
            width = prompt("Enter the new width:");
        }
        area = length * width;
        console.log(`The new area of the rectangle is: ${area}`);
    </script>
</body>
</html>
```

All Bookmarks

This page says

Do you want to update the length or width? (length/width)

length

OK   Cancel

Elements   Console   Sources   >>

top ▼   Filter   All levels ▼   No Issues

The area of the rectangle is: 1035   task5.html:13

The area of the rectangle is: 1035   task5.html:13

The new area of the rectangle is: 1080   task5.html:21

Task 6:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Colors Array</title>
</head>
<body>
    <script>
        const numColors = prompt("How many colors do you want to input?");
        const colors = [];
        for (let i = 0; i < numColors; i++) {
            const color = prompt(`Enter color ${i + 1}:`);
            colors.push(color);
        }
        console.log(`First Color: ${colors[0]}`);
        console.log(`Last Color: ${colors[colors.length - 1]}`);
    </script>
</body>
</html>
```

This page says

How many colors do you want to input?

4

OK   Cancel

First Color: red   task6.html:16

Last Color: yellow   task6.html:17

>

Task 7:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Person Object</title>
</head>
<body>
    <script>
        const name = prompt("Enter your name:");
        const age = prompt("Enter your age:");
        const hobby = prompt("Enter your favorite hobby:");
        const userDetails = { name, age, hobby };
        console.log(userDetails);
    </script>
</body>
</html>
```

task7.html:14

▶ {name: 'Alisher', age: '18', hobby: 'programming'}

>

Task 8:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Number Comparison</title>
</head>
<body>
    <script>
        const num1 = prompt("Enter the first number:");
        const num2 = prompt("Enter the second number:");
        console.log(`Is ${num1} greater than ${num2}? ${Number(num1) >
Number(num2)}`);
        console.log(`Is ${num1} less than ${num2}? ${Number(num1) <
Number(num2)}`);
        console.log(`Is ${num1} equal to ${num2}? ${Number(num1) ===
Number(num2)}`);
    </script>
</body>
</html>
```

Is 25 greater than 23? true	task8.html:12
Is 25 less than 23? false	task8.html:13
Is 25 equal to 23? false	task8.html:14

>

Task 9:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Fruit Array</title>
</head>
<body>
    <script>
        const fruits = [];
        const fruitCount = prompt("How many fruits would you like to input?");
        for (let i = 0; i < fruitCount; i++) {
            const fruit = prompt(`Enter fruit ${i + 1}:`);
            fruits.push(fruit);
        }
        fruits.pop(); // Remove last fruit
        const newFruit = prompt("Enter a new fruit to add at the beginning:");
        fruits.unshift(newFruit); // Add new fruit at the beginning
        console.log(`Updated Fruit List: ${JSON.stringify(fruits)}`);
    </script>
</body>
</html>
```

```
Updated Fruit List:                          task9.html:19
["peach","apple","grape","banana"]

>|
```

Task 10:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Basic Calculator</title>
</head>
<body>
    <script>
        function promptNAN(number1, number2) {
            if (isNaN(number1) || isNaN(number2)) {
                return true;
            } else {
                return false;
            }
        }

        const number1 = Number(prompt("Enter the first number:"));
        const number2 = Number(prompt("Enter the second number:"));
        const operation = prompt("Enter the operation
(add/subtract/multiply/divide):").toLowerCase();
        let result;

        if (operation === 'add') {
            result = number1 + number2;
        } else if (operation === 'subtract') {
            result = number1 - number2;
        } else if (operation === 'multiply') {
            result = number1 * number2;
        } else if (operation === 'divide') {
            if (number2 === 0) {
                console.error("Error: Cannot divide by zero");
            } else {
                result = number1 / number2;
            }
        } else {
            console.error("Invalid operation");
        }

        if (promptNAN(number1, number2)) {
            console.error("The values you provided are not valid numbers.");
        } else if (result !== undefined) {
            console.log(`Result: ${result}`);
        }
    </script>
</body>
</html>
```

This page says

Enter the first number:

12

OK   Cancel

This page says

Enter the second number:

4

OK   Cancel

This page says

Enter the operation (add/subtract/multiply/divide):

multiply

OK   Cancel

Result: 48

>