///////TASK 1 10 points

let str = prompt("What is your name?");

function toTitleCase(str) {

return str.toLowerCase().split(' ').map(function(word) {

return (word.charAt(0).toUpperCase() + word.slice(1));

}).join(' ');

}

alert("Hello, " + toTitleCase(str) + "!");

////////TASK 2 5 points

function main() {

repeat(4) {

move();

move();

putBeeper();

move();

move();

putBeeper();

turnLeft();

}

f();

repeat(4) {

move();

move();

putBeeper();

turnRight();

}

move();

turnRight();

move();

putBeeper();

}

function f() {

move();

turnLeft();

move();

}

////////TASK 3 5 points

function main() {

turnLeft();

repeat(4) {

move();

}

rMove();

lMove();

rMove();

move();

rMove();

Repeat();

lMove();

move();

Repeat();

lMove();

move();

lMove();

rMove();

move();

rMove();

lMove();

pickBeeper();

}

function rMove() {

turnRight();

move();

}

function lMove() {

turnLeft();

move();

}

function Repeat() {

rMove();

lMove();

rMove();

lMove();

}

////////TASK 4 10 points

alert("Hello! Let's calculate something!");

alert("We're gonna calculate how many days, weeks and months you have left, until you become 90 years old!");

let ans = prompt("Let's start?");

if (ans == 1 || ans >= 1 || ans == "yes" || ans == "Yes" || ans == "yeap" || ans == "yeah") {

let age = prompt("Enter your age: ");

if (age <= 0) {

alert("error404");

}

let days = (90 - age) \* 365;

let weeks = age \* 52;

let months = age \* 12;

function YearsLeft() {}

YearsLeft(age);

alert("You have : " + days + " days, " + weeks + " weeks, " + months + " months, until you become 90 y.o!");

alert("Thank you! Good Bye!");

alert("Remember to be happy, and spend your time with people who make you smile!");

alert("You have only 1 Life! ^-^ ");

} else {

alert("Very sad! Ok, bye bye!");

}

////////TASK 6 20 points

const year = prompt('Please, enter the year: ');

function LeapYear(year) {

if ((0 == year % 4) && (0 != year % 100) || (0 == year % 400)) {

console.log(year + ' year is a leap year!');

} else {

console.log(year + ' year is not a leap year :( ');

}

}

LeapYear(year);

////////TASK 7 20 points

function RandomName(names) {

return names[Math.floor(Math.random() \* items.length)];

}

var names = ["Malika", "Alina", "James", "John", "Marie", "Anne", "George", "Liam", "Aruzhan", "Ginny", "Charles", "Leona", "Finn", "Lewis"];

console.log(RandomName(names), "will bye everyone food!");

////////TASK 8 20 points

function FiboN(num) {

if (num < 2) {

return num;

} else {

return FiboN(num - 1) + FiboN(num - 2);

}

}

const nTerms = prompt('Enter the number of terms: ');

if (nTerms <= 0) {

console.log('Enter a positive integer.');

} else {

for (let i = 0; i < nTerms; i++) {

console.log(FiboN(i));

}

}

//TASK 5 10 points .html file

<!DOCTYPE html>

<html>

<head>

<script src="5.js"></script>

<title>BMI Calculator Online!</title>

</head>

<body>

<div class="container">

<h1>Calculate your Body Mass Index!</h1>

<h2>BMI Calculator</h2>

<p>Enter your Height (in cm):</p>

<input type="text" id="height">

<p>Enter your Weight (in kg):</p>

<input type="text" id="weight">

<br />

<br>

<br />

<button id="btn">Calculate BMI</button>

<br>

<br>

<br>

<br>

<div id="result"></div>

</div>

</body>

</html>

///////TASK 5 10 points .js file

console.log("BMI Calculator");

window.onload = () => {

let button = document.querySelector("#btn");

button.addEventListener("click", calculateBMI);

};

function calculateBMI() {

let height = parseInt(document

.querySelector("#height").value);

let weight = parseInt(document

.querySelector("#weight").value);

let result = document.querySelector("#result");

if (height === "" || isNaN(height))

result.innerHTML = "Input your real Height!";

else if (weight === "" || isNaN(weight))

result.innerHTML = "Input your real Weight!";

else {

let bmi = (weight / ((height \* height) /

10000)).toFixed(2);

if (bmi < 18.5) result.innerHTML =

`Your BMI is : <span>${bmi}</span>, so you are underweight!`;

else if (bmi >= 18.5 && bmi < 24.9)

result.innerHTML =

`Your BMI is : <span>${bmi}</span>, so you have a normal weight!`;

else result.innerHTML =

`Your BMI is : <span>${bmi}</span>, so you are overweight!`;

}

}