1. Implement a function invokeAfterDelay that yields a promise, invoking a given function after a given delay. Demonstrate by yielding a promise for a random number between 0 and 1. Print the result on the console when it is available.

2. Invoke the produceRandomAfterDelay function from the preceding exercise twice and print the sum once the summands are available.

3. Write a loop that invokes the produceRandomAfterDelay function from the preceding exercises n times and prints the sum once the summands are available.

1.Write a function values(f, low, high) that yields an array of function values [f(low), f(low + 1), . . ., f(high)].

2.The sort method for arrays can take an argument that is a comparison function with two parameters—say, x and y. The function returns a negative integer if x should come before y, zero if x and y are indistinguishable, and a positive integer if x should come after y. Write calls, using arrow functions, that sort:

- An array of positive integers by decreasing order
- An array of people by increasing age
- An array of strings by increasing length

3.Write a function average that computes the average of an arbitrary sequence of numbers, using a rest parameter.

READ REST PARAMETER BEFORE THIS CHALLENGE!!!

1.Implement a comparison function that compares two strings by their Unicode code points, NOT their UTF-16 code units.

READ UTF-16 and encoding before this challenge!!!

1.Write a function that converts a Date object into an object with properties year, month, day, weekday, hours, minutes, seconds, millis.

2.Write a function that determines how many hours a user is away from UTC.

READ DATE OBJECT BEOFRE THIS!!!

HARD CHALLENGE ☺

Implement a function createPoint that creates a point in the plane with a given *x* and *y* coordinates. Provide methods getX, getY, translate, and scale. The translate method moves the point by a given amount in *x* and *y* direction. The scale method scales both coordinates by a given factor.

HINT:

Like this:

```
const employeePrototype = {
raiseSalary: function(percent) {
this.salary *= 1 + percent / 100
```

```
}
}

function createEmployee(name, salary) {
return {
name: name,
salary: salary,
raiseSalary: function(percent) {
this.salary *= 1 + percent / 100
}
}
}
```