Internet Technologies – Lab #3: JavaScript

Use of AI for this assignment: FORBIDDEN

**Assignment A – 10 points**

Implement the requirements below. Your implementation should include the specified functions and code demonstrating their operation. Use your own creativity to fill in the "missing" elements of the requirements.

1. A function presenting the operation of a for loop (1 point)
2. A function presenting the operation of a while loop (1 point)
3. A function presenting the operation of a for ... in loop (1 point)
4. A function presenting the operation of a for ... of loop (1 point)
5. A function presenting the operation of an if statement (1 point)
6. A function accepting two (or more) parameters, checking if they are numbers or can be converted to numerical values ​​and performing calculations on them or (if this is not possible) returning an error (1 point)
7. A function accepting a variable number of parameters and doing something with them (1 point)
8. A function accepting a function as one of the parameters (and using it in some way) + 2 example functions that can be used as its parameters (1 point)
9. An example of using a constructor function to create objects - objects should have at least 3 fields of different types and 1 method doing something (1 point)
10. An example of using classes to create objects - objects should have at least 3 fields of different types, a constructor and 1 method doing something (1 point)