NodeJS Assignment

Write a function that takes in 3 parameters, an existing object, a key and a new value and returns a new object that has that key’s value replaced with the new value. All values that exist for the same key name must be replaced across all levels of the object. You cannot use any library and it must be a custom implementation.

For eg.

const assignmentObject = {

  "Name": "Random person",

  "Address": {

     "addressLine1": "SCO 62",

     "addressLine2": "City heart",

     "city": "Mohali",

     "state": "Punjab",

   },

   "educationQualification": {

     "10th": {

         "Marks": 400,

         "Percentage": "80%",

      },

     "12th": {

         "Marks": 400,

         "Percentage": "80%",

      },

     "graduation": {

         "Marks": 400,

         "Percentage": "80%",

      },

     "postGraduation": {

         "Marks": 400,

         "Percentage": "80%",

      },

   }

}

Test Case 1:

**Input parameters:** assignmentObject, "state", "Haryana"

**Expected Outcome:**

{

  "Name": "Random person",

  "Address": {

     "addressLine1": "SCO 62",

     "addressLine2": "City heart",

     "city": "Mohali",

     "state": "Haryana",

   },

   "educationQualification": {

     "10th": {

         "Marks": 400,

         "Percentage": "80%",

      },

     "12th": {

         "Marks": 400,

         "Percentage": "80%",

      },

     "graduation": {

         "Marks": 400,

         "Percentage": "80%",

      },

     "postGraduation": {

         "Marks": 400,

         "Percentage": "80%",

      },

   }

}

Test Case 2:

**Input parameters:** assignmentObject, "Marks", 500

**Expected Outcome:**

{

  "Name": "Random person",

  "Address": {

     "addressLine1": "SCO 62",

     "addressLine2": "City heart",

     "city": "Mohali",

     "state": "Punjab",

   },

   "educationQualification": {

     "10th": {

         "Marks": 500,

         "Percentage": "80%",

      },

     "12th": {

         "Marks": 500,

         "Percentage": "80%",

      },

     "graduation": {

         "Marks": 500,

         "Percentage": "80%",

      },

     "postGraduation": {

         "Marks": 500,

         "Percentage": "80%",

      },

   }

}