Lab Assignment 6 Requirements

You are required to write 2 functions in the same file whose details are given below.

`def checkBalancedParenthesis(s)`

Arguments:

- `s` (str): A string containing parentheses, brackets, and/or braces.

Returns:

- `"Balanced"` (str): If all parentheses, brackets, and braces are properly matched and nested.
- `"Unbalanced"` (str): If the parentheses, brackets, or braces are not properly matched or nested.

Errors Raised:

- `TypeError`: If the input string is empty.

Note: The Strings that are being returned are case sensitive. Please make sure you are returning exactly “Balanced” or “Unbalanced” depending upon the argument.
TypeError should be raised using following syntax (Do not Pass any arguments to the Error)

```
raise TypeError
```

`def getUnbalancedPositions(s)`

Arguments:

- `s` (str): A string containing parentheses, brackets, and/or braces.

Returns:

- `list[int]`: A sorted list of indices where unmatched unbalanced parentheses, brackets, or braces occur.

Errors Raised:

- `TypeError`: If the input string is empty.

Note: The Strings that are being returned are case sensitive. Please make sure you are returning exactly “Balanced” or “Unbalanced” depending upon the argument.
TypeError should be raised using the same syntax as in above method.

Sample Examples for **getUnbalancedPositions(s):**

Input : “()”
Output: []
Note: Empty list as there are no unbalanced parantheses

Input : “(]”
Output: [0, 1]
Note: No proper match for characters at index 0 and 1

Input: “(a+b”
Output: [0]
Note: No closing paranthesis for index 0

Input: “a + (b * c] - {d / e)”
Output: [4,10,14,20]
Note: opening and closing paranthesis are not matching at those indices