

COP 3502 – section 4

Lab Assignment # 6

Write an efficient recursive function that takes in a sorted array of numbers, two integers, low and high, representing indexes into the array, and another integer, value, and returns the index in the array where value is found in the array in between index low and high, inclusive. If value is NOT found in the array in between indexes low and high, inclusive, then the function should return -1.

```
int search(int numbers[], int low, int high, int value) {  
  
}
```

You can clone base code from the repository https://github.com/neslimsah/lab_assignment_6.git . And you are supposed to implement body of the the function search and test your code using the input file input.txt.

1. You are going to clone my github repository under your github account, and will implement the search function body.
2. Your submission will be the repository url of your implementation. Per your submission, the TAs will be able to clone your repository and compile and run it.
3. If you have specific build instructions, please update your README file accordingly.
4. You cannot make any updates to your code after the submission deadline. Even if you do so, we will be able to track your updates, hence you might lose points for making a change after the submission deadline.