

Question 01) Write a recursive function that performs the binary search algorithm and prints the index of the element we're searching for (if element found) or prints -1 if element is not found. Hint: instead of having the function definition as shown in class:

```
def binarySearchRecursive(_list, _num):
```

perhaps it would be better to define your function as follows:

```
def binarySearchRecursive(_list, _num, _startingIdx, _endingIdx):
```

and instead of passing a different list (halved) each time you call the function recursively, we pass the same list but different starting index and ending index. That way when you do find the element, the index will correspond to the same index in the original list.

Question 02) Write a non-recursive function that performs the binary search algorithm and prints whether an element is in the list or not (no need to print the index of element if found)