Binary Search - 1

A characteristic of the data that binary search uses but the linear search ignores is.

Choose any one

- ● Order of the list ✓ correct answer
- ○ Length of the list
- ○ Maximum values in the list
- ○ Mean of data values

Binary Search - 2

Given an array a = {4, 7, 8, 9, 19, 29, 40} and key = 29;

what are the mid values (corresponding array elements) in the first and second calls of binary search?

Your answers

1.) First Call

9 ✓

2.) Second Call

29 ✓

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Binary Search - 3 ☆

Which of the below code snippets performs binary search without recursion?

Choose any one

```
    while( left >= right )
    {
     m = left + (right-left)/2;
     if( A[m] == key )
         return m;
     if( A[m] < key )
         left = m + 1;
     else
         right = m - 1;
    }
    return -1;
}
```

🔴 int binary_search(int A[], int left, int right, int key) ✔ correct answer
```
{
 int m;
 while( left <= right )
 {
  m = left + (right-left)/2;
  if( A[m] == key )
      return m;
```

Clear selection

submit

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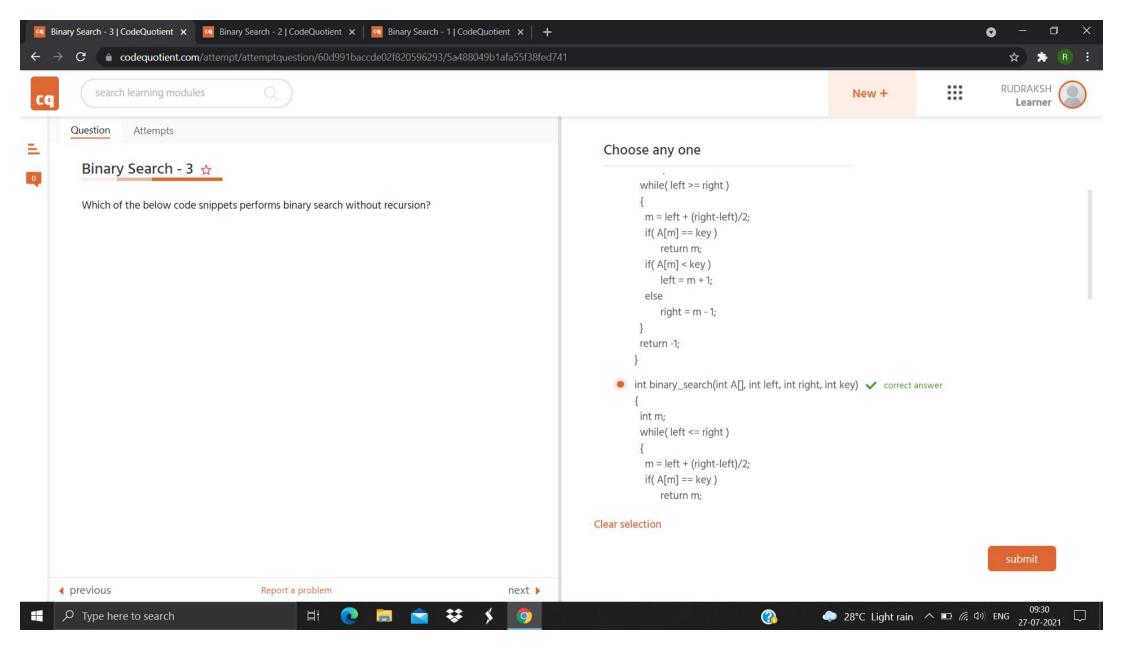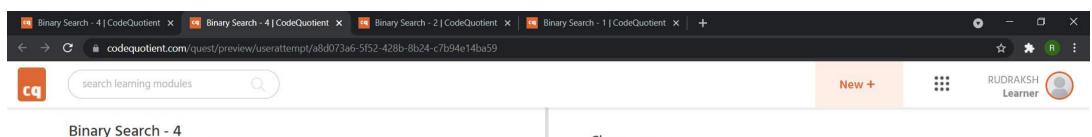
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Binary Search - 4

Given an array arr = {15, 16, 27, 38, 59} and key = 38; How many iterations are done until the element is found?

Choose any one

- 1
- 2 ✓ correct answer
- 3
- 4

See Explanation ▲