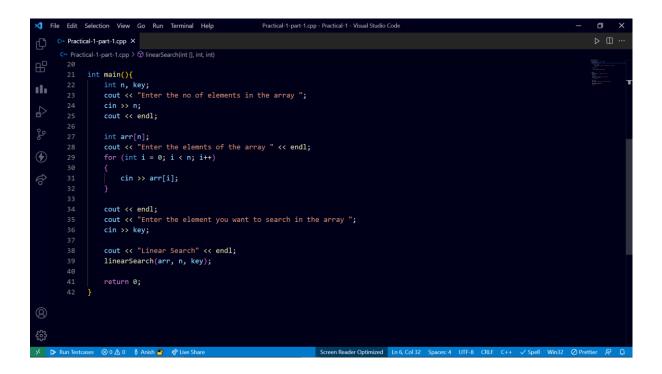
```
| File | Edit | Selection | View | Go | Run | Terminal | Help | Practical-1-part-tapp - Practical-1-pa
```



```
PS E:\College-Work\Sixth-Semester\DAA-practical\Practical-1> cd "e:\College-Work\Sixth-Semester\DAA-practical\Practical-1\" ; if ($?) { g++ Practical-1-part-1.cpp -o Practical-1-part-1 } ; if ($?) { .\Practical-1-part-1 } Enter the no of elements in the array 5

Enter the elements of the array 4 7 1 9 2

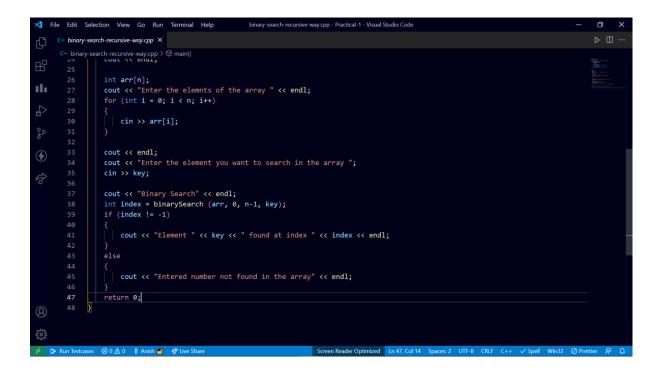
Enter the element you want to search in the array 9

Linear Search

Element 9 found at index 3

PS E:\College-Work\Sixth-Semester\DAA-practical\Practical-1>|
```

```
▷ Ⅲ …
     • binary-search-recursive-way.cpp ×
       C→ binary-search-recursive-way.cpp > ۞ main()
               using namespace std;
ılı
               int binarySearch(int arr[], int start, int end, int key){
                   if (start <= end) {
  int mid = (start + end)/2;
  if (arr[mid] == key){</pre>
                     }
if (arr[mid] > key){
                     return binarySearch(arr, start, mid-1, key);
}
R
                      if (arr[mid] < key){
    return binarySearch(arr, mid+1, end, key);
}</pre>
                 return -1;
               int main()[
    int n, key;
    cout << "Enter the no of elements in the array ";</pre>
                    cout << endl;</pre>
                    £53
                                                                                  Screen Reader Optimized Ln 47, Col 14 Spaces: 2
```



```
PS E:\College-Work\Sixth-Semester\DAA-practical\Practical-1> cd "e:\College-Work\Sixth-Semester\DAA-practical\Practical
-1\"; if ($?) { g++ binary-search-recursive-way.cpp -0 binary-search-recursive-way }; if ($?) { .\binary-search-recursive-way }
Enter the no of elements in the array 4

Enter the elements of the array
1 2 3 4

Enter the element you want to search in the array 2

Binary Search
Element 2 found at index 1
PS E:\College-Work\Sixth-Semester\DAA-practical\Practical-1> |
```