1. Linear Search Implementation

```
main.c

| #include <stdio.h>
| #include <stdio.h
| #include <st
```

2. Binary Search Implementation

```
main.c
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                                                                                          ∝ Share
                                                                                                                     Output
                                                                                                        Run
                                                                                                                   Target 5 found at index 3
3 - int binarySearch(int arr[], int n, int target) {
        int low = 0, high = n - 1;
while (low <= high) {</pre>
                                                                                                                   === Code Execution Successful ===
            int mid = low + (high - low) / 2;
             // Check if target is present at mid
if (arr[mid] == target) {
             // If target is greater, ignore left half
if (arr[mid] < target) {</pre>
16
                high = mid - 1;
19
20
25 int main() {
         int target = 5;
         int result = binarySearch(arr, n, target);
         if (result != -1) {
            printf("Target %d found at index %d\n", target, result);
            printf("Target %d not found in the array\n", target);
```