```
PALAK SHARMA
```

```
#include <stdio.h>
int binarySearch(int nums[], int n, int target)
{
    int low = 0, high = n - 1;
  while (low <= high)
        int mid = (low + high)/2;
        if (target == nums[mid]) {
      return mid;
    }
    else if (target < nums[mid]) {</pre>
      high = mid - 1;
    }
        else {
      low = mid + 1;
    }
  }
    return -1;
}
int main(void)
  int nums[] = \{2, 5, 6, 8, 9, 10\};
  int target = 5;
  int n = sizeof(nums)/sizeof(nums[0]);
  int index = binarySearch(nums, n, target);
  if (index != -1) {
    printf("Element found at index %d", index);
  else {
    printf("Element not found in the array");
  }
  return 0;
```

Element found at index 1

...Program finished with exit code 0

Press ENTER to exit console.