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EXPERIMENT 10:
LINEAR SEARCH IN ARRAY
CODE:
#include <stdio.h>
int main() {
  int arr[100], n, i, key, found = 0;
  printf("Enter number of elements: ");
  scanf("%d", &n);
  // Input array elements
  printf("Enter %d elements:\n", n);
  for(i = 0; i < n; i++) {
    scanf("%d", &arr[i]);
  }
  printf("Enter the element to search: ");
  scanf("%d", &key);
  for(i = 0; i < n; i++) {
    if(arr[i] == key) {
      printf("Element %d found at position %d\n", key, i + 1);
      found = 1;
      break;
    }
  }
  if(!found) {
```

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printf("Element %d not found in the array.\n", key);
}
return 0;
```

OUTPUT:

}