

listings + xcolor

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```
1 // Linear search
2 int linear_search(int *a, int N, int kw) {
3     for (int i = 0; i < N; i++) {
4         if (a[i] == kw) { printf("Found\n"); return i; }
5     }
6     return -1;
7 }
```

Listing 1: linear search