

Data structures\dynamic_array_search.cpp

```
1  #include <iostream>
2
3  using namespace std;
4
5  int main()
6  {
7      cout << "enter size of array ";
8      int n;
9      cin >> n;
10     int *p = new int[n];
11
12     cout << "enter elements of array ";
13     for(int i = 0; i < n; i++){
14         cin >> p[i];
15     }
16
17     cout << "enter element to be searched ";
18     int x;
19     cin >> x;
20
21     for(int i = 0; i < n; i++){
22         if(p[i] == x){
23             cout << "element is at index " << i << endl;
24             break;
25         }
26     }
27
28     delete []p;
29 }
30
```