//This program will read in id numbers and place them in an array. //The array is dynamically allocated large enough to hold the number of id //numbers given by the user. The program will then input an id and call a //function to search for that id in the array. It will print whether the id is in //the array or not.

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#include <iostream>
using namespace std;
void searchId(int idNumIn, int* id , int numIds);
int main()
  int *id = nullptr;
  int numlds:
  cout << "How many ID's will be will be stored ?: ";</pre>
  cin >> numlds;
  id = new int(numlds);
  for( int i = 0; i < numlds; i++)
     cout << "Enter ID #" << i+1 << ": ";
     cin >> *(id + i);
  }
  cout << "Enter an ID# to find inside the list : ";</pre>
  int mySearch;
  cin >> mySearch;
  searchId(mySearch, id, numIds);
  delete [] id;
  return 1;
void searchId(int idNumIn, int* id , int numIds)
  for (int i = 0; i <= numlds; i++)
  {
```

```
if(*(id+i)==idNumln)
{
    cout << "The IDs was found inside the list under position : " << i+1 << endl;
    break;
}

if(i==numlds)
    cout << "ID:" << idNumln << " was not inside the list";
}</pre>
```