

UNIVERSIDAD UNIAGUSTINIANA

DESARROLLO DE SOFTWARE

TALLER_1

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26/08/2023

CONTENIDO

- **Código:**

```

1  #include <iostream>
2
3  class BinarySearch {
4  private:
5      int* arr;
6      int size;
7
8  public:
9      BinarySearch(int a[], int s) : arr(a), size(s) {}
10
11     int search(int target) {
12         int left = 0;
13         int right = size - 1;
14
15         while (left <= right) {
16             int mid = left + (right - left) / 2;
17
18             if (arr[mid] == target) {
19                 return mid;
20             } else if (arr[mid] < target) {
21                 left = mid + 1;
22             } else {
23                 right = mid - 1;
24             }
25         }
26
27         return -1;
28     }
29 };
30
31 int main() {
32     int list1[] = {1, 3, 5, 7, 9};
33     int list2[] = {11, 13, 15, 17, 19};
34     int list3[] = {21, 23, 25, 27, 29};
35     int target;
36
37     std::cout << "Ingrese un número impar del 1 al 30: ";
38     std::cin >> target;
39
40     BinarySearch searches[] = {BinarySearch(list1, sizeof(list1) / sizeof(list1[0])),
41                                BinarySearch(list2, sizeof(list2) / sizeof(list2[0])),
42                                BinarySearch(list3, sizeof(list3) / sizeof(list3[0]))};
43
44     bool found = false;
45
46     for (int i = 0; i < 3; ++i) {
47         int index = searches[i].search(target);
48         if (index != -1) {
49             found = true;
50             int* foundPtr = &searches[i].arr[index];
51             std::cout << "El elemento " << target << " se encuentra en la lista " << (i + 1)
52                       << ", posición " << index << ". Dirección de memoria: " << foundPtr << std::endl;
53         }
54     }
55
56     if (!found) {
57         std::cout << "El elemento " << target << " no se encontró en ninguna lista." << std::endl;
58     }
59
60     std::cout << "Presione Enter para salir.";
61     std::cin.ignore();
62     std::cin.get();
63     return 0;
64 }

```

- Creación del repositorio:

```
Git CMD
C:\Users\User>git config --global user.name "Esteban"
C:\Users\User>git config --global user.email "juan.garzonb@uniagustiniana.edu.co"
C:\Users\User>
```

```
Git CMD
C:\Users\User>cd C:\Users\User\Desktop\Repositorio
C:\Users\User\Desktop\Repositorio>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    vs1/Nodos.cpp
    vs1/output/Nodos.exe

nothing added to commit but untracked files present (use "git add" to track)
C:\Users\User\Desktop\Repositorio>git app .
git: 'app' is not a git command. See 'git --help'.

The most similar command is
  apply
C:\Users\User\Desktop\Repositorio>git add .
```

```
C:\Users\User\Desktop\Repositorio>git commit -m"Ingresando trabajo 2"
[master 8813f41] Ingresando trabajo 2
 2 files changed, 57 insertions(+)
 create mode 100644 vs1/Nodos.cpp
 create mode 100644 vs1/output/Nodos.exe
```

```
C:\Users\User\Desktop\Repositorio>git status
On branch master
nothing to commit, working tree clean
```

```
C:\Users\User\Desktop\Repositorio>git push origen master
fatal: 'origen' does not appear to be a git repository
fatal: Could not read from remote repository.
```

Please make sure you have the correct access rights
and the repository exists.

```
C:\Users\User\Desktop\Repositorio>git push origin master
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 16 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 468.33 KiB | 8.36 MiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Esteban2135/Repositorio.git
 3761e21..8813f41  master -> master
```

```
C:\Users\User\Desktop\Repositorio>
```