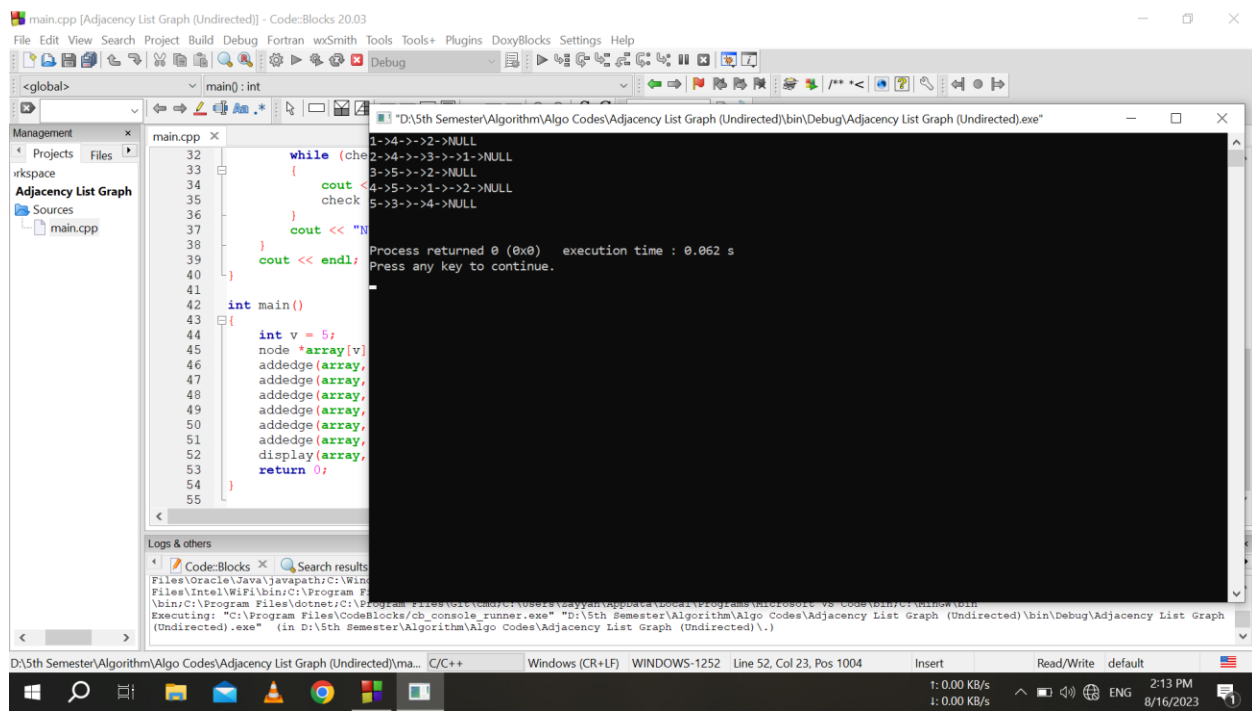


Final Lab Performance

07-08-2023

Output:



```
main.cpp [Adjacency List Graph (Undirected)] - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
<global> main(): int
Management Projects Files
Workspace
Adjacency List Graph
Sources
main.cpp
main.cpp
32 while (ch
33 {
34 cout << "
35 check
36 }
37 cout << "N
38 }
39 cout << endl;
40 }
41
42 int main()
43 {
44 int v = 5;
45 node *array[v]
46 addedge(array,
47 addedge(array,
48 addedge(array,
49 addedge(array,
50 addedge(array,
51 addedge(array,
52 display(array,
53 return 0;
54 }
55
Logs & others
Code::Blocks X Search results
Files\Oracle\Java\javapath\C:\Win
Files\Intel\WiFi\bin\C:\Program F
\bin\C:\Program Files\dotnet\C:\Program Files\dotnet\bin
Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "D:\5th Semester\Algorithm\Algo Codes\Adjacency List Graph (Undirected)\bin\Debug\Adjacency List Graph (Undirected).exe" (in D:\5th Semester\Algorithm\Algo Codes\Adjacency List Graph (Undirected)\.)
D:\5th Semester\Algorithm\Algo Codes\Adjacency List Graph (Undirected)\ma... C/C++
Windows (CR+LF) WINDOWS-1252 Line 52, Col 23, Pos 1004 Insert Read/Write default
1: 0.00 KB/s
1: 0.00 KB/s
2:13 PM
8/16/2023
```

Implementation:

```
#include <bits/stdc++.h>
```

```
using namespace std;
```

```
struct node
```

```

{
    int data;
    node *next;
};

void addedge(node *array[], int s, int d)
{
    node *newnode = new node();
    newnode->data = d;
    newnode->next = NULL;

    newnode->next = array[s];
    array[s] = newnode;

    newnode = new node();
    newnode->data = s;
    newnode->next = NULL;

    newnode->next = array[d];
    array[d] = newnode;
}

void display(node *array[], int v)
{
    for (int i = 1; i <= v; i++)
    {
        node *check = array[i];
        cout << i;
        while (check)
        {

```

```

        cout << "->" << check->data << "->";

        check = check->next;
    }

    cout << "NULL" << endl;
}

cout << endl;
}

```

```

int main()
{
    int v = 5;
    node *array[v] = {NULL};
    addedge(array, 1, 2);
    addedge(array, 2, 3);
    addedge(array, 2, 4);
    addedge(array, 1, 4);
    addedge(array, 4, 5);
    addedge(array, 5, 3);
    display(array, v);
    return 0;
}

```

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