

File

Edit

Selection

View

Go

Run

Terminal

Help

EXPLORES

...

OPEN EDITORS

Lab3.txt Sem3\A...

Q1.c Sem3\Assig...

C LANGUAGE

.vscode

launch.json

tasks.json

Competition

DSA

Anagram.c

Anagram.exe

Assignment_1.exe

HCF.c

HCF.exe

LCM.exe

Sequence.c

String.c

Try.exe

File

PVScode

Sem1

Sem2

Sem3

Assignment 1

Assignment 2

Assignment 3

Lab3.txt

Q1.c

Q1.exe

VS_Sem2

letusc-yashwantkanet...

tempCodeRunnerFile.c

tempCodeRunnerFile....

VS.code-workspace

OUTLINE

Lab3.txt

Q1.c

X

Sem3 > Assignment 3 > Q1.c > main()

1 #include <stdio.h>

2 #include <stdlib.h>

3 #include <stdbool.h>

4 bool isArmstrong(int n)

5 {

6 int t = n,s=0,r;

7 while(t>0)

8 {

9 r = t%10;

10 s = s + r*r*r;

11 t = t/10;

12 }

13 if(n == s)

14 return 1;

15 else

16 return 0;

17 }

18 int main()

19 {

20 printf("JOHN ALEXANDER E 20011896\n");

21 int num;

22 printf("Enter the number of inputs\n");

23 scanf("%d",&num);

24 int *arr = (int*)malloc(num*sizeof(int));

25 printf("Input the Elements\n");

26 for(int i = 0; i<num; i++)

27 {

28 scanf("%d",&arr[i]);

29 for(int i = 0;i<num;i++)

30 if(isArmstrong(arr[i]))// && > 9

31 printf("%d is Armstrong\n",arr[i]);

C:\WINDOWS\system32\cmd.exe

JOHN ALEXANDER E 20011896

Enter the number of inputs

10

Input the Elements

443

556

776

45

87

447

153

1

2

3

153 is Armstrong

1 is Armstrong

Press any key to continue . . .

Ln 31, Col 2

Spaces: 4

UTF-8

CRLF

C

Win32

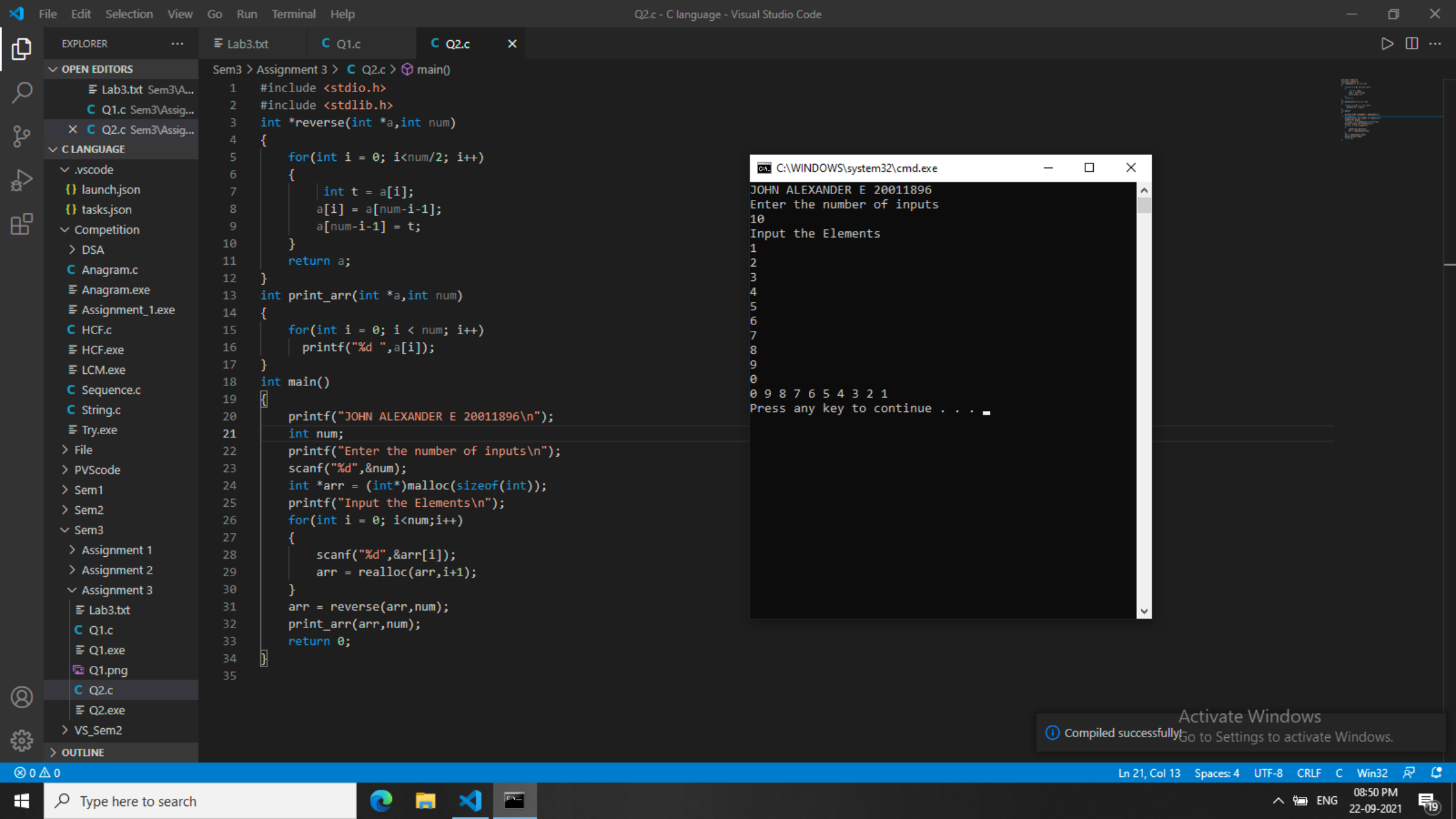
02:18 PM

22-09-2021

Type here to search

ENG

19



EXPLORER

OPEN EDITORS

Lab3.txt Sem3\A...

Q1.c Sem3\Assig...

Q2.c Sem3\Assig...

C LANGUAGE

.vscode

launch.json

tasks.json

Competition

DSA

Anagram.c

Anagram.exe

Assignment_1.exe

HCF.c

HCF.exe

LCM.exe

Sequence.c

String.c

Try.exe

File

PVScode

Sem1

Sem2

Sem3

Assignment 1

Assignment 2

Assignment 3

Lab3.txt

Q1.c

Q1.exe

Q1.png

Q2.c

Q2.exe

VS_Sem2

OUTLINE

Sem3 > Assignment 3 > C Q2.c > main()

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 int *reverse(int *a,int num)
4 {
5     for(int i = 0; i<num/2; i++)
6     {
7         int t = a[i];
8         a[i] = a[num-i-1];
9         a[num-i-1] = t;
10    }
11    return a;
12 }
13 int print_arr(int *a,int num)
14 {
15     for(int i = 0; i < num; i++)
16     {
17         printf("%d ",a[i]);
18     }
19 }
20 int main()
21 {
22     printf("JOHN ALEXANDER E 20011896\n");
23     int num;
24     printf("Enter the number of inputs\n");
25     scanf("%d",&num);
26     int *arr = (int*)malloc(sizeof(int));
27     printf("Input the Elements\n");
28     for(int i = 0; i<num;i++)
29     {
30         scanf("%d",&arr[i]);
31         arr = realloc(arr,i+1);
32     }
33     arr = reverse(arr,num);
34     print_arr(arr,num);
35     return 0;
36 }
```

C:\WINDOWS\system32\cmd.exe

```
JOHN ALEXANDER E 20011896
Enter the number of inputs
10
Input the Elements
1
2
3
4
5
6
7
8
9
0
0 9 8 7 6 5 4 3 2 1
Press any key to continue . . .
```

Activate Windows
Go to Settings to activate Windows.

Compiled successfully

