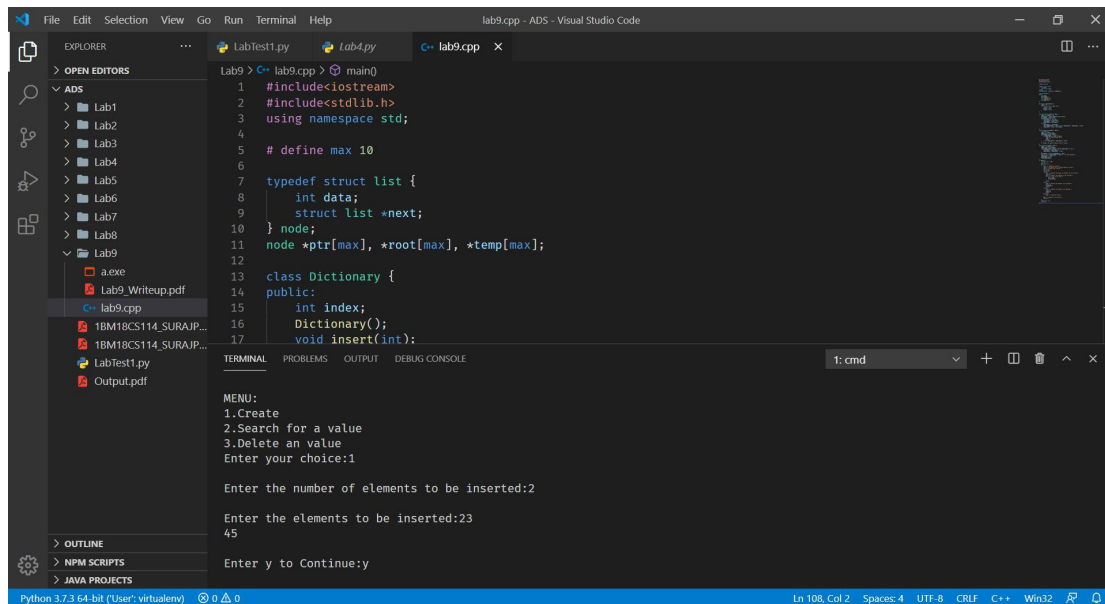


Output

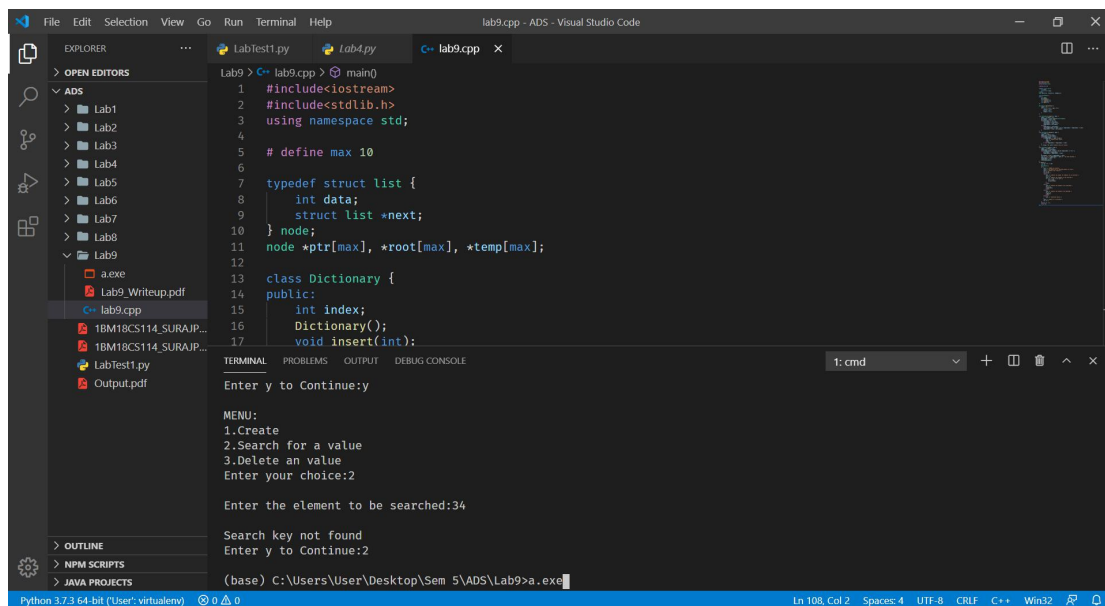
Create



The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying a project structure with folders Lab1 through Lab9. The main editor window shows the code for lab9.cpp, which includes a linked list structure and a Dictionary class. The terminal at the bottom shows the program's output, which includes a menu with options 1.Create, 2.Search for a value, and 3.Delete an value. The user has entered '1' for the choice and '2' for the number of elements to be inserted. The program is currently waiting for the elements to be inserted.

```
lab9.cpp > main()
1 #include<iostream>
2 #include<stdlib.h>
3 using namespace std;
4
5 # define max 10
6
7 typedef struct list {
8     int data;
9     struct list *next;
10 } node;
11 node *ptr[max], *root[max], *temp[max];
12
13 class Dictionary {
14 public:
15     int index;
16     Dictionary();
17     void insert(int);
18
19 MENU:
20 1.Create
21 2.Search for a value
22 3.Delete an value
23 Enter your choice:1
24
25 Enter the number of elements to be inserted:2
26
27 Enter the elements to be inserted:23
28 45
29
30 Enter y to Continue:y
```

Search



The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying a project structure with folders Lab1 through Lab9. The main editor window shows the code for lab9.cpp, which includes a linked list structure and a Dictionary class. The terminal at the bottom shows the program's output, which includes a menu with options 1.Create, 2.Search for a value, and 3.Delete an value. The user has entered '2' for the choice and '34' for the element to be searched. The program outputs 'Search key not found' and is waiting for the user to continue.

```
lab9.cpp > main()
1 #include<iostream>
2 #include<stdlib.h>
3 using namespace std;
4
5 # define max 10
6
7 typedef struct list {
8     int data;
9     struct list *next;
10 } node;
11 node *ptr[max], *root[max], *temp[max];
12
13 class Dictionary {
14 public:
15     int index;
16     Dictionary();
17     void insert(int);
18
19 Enter y to Continue:y
20
21 MENU:
22 1.Create
23 2.Search for a value
24 3.Delete an value
25 Enter your choice:2
26
27 Enter the element to be searched:34
28
29 Search key not found
30 Enter y to Continue:2
31
32 (base) C:\Users\User\Desktop\Sem 5\ADS\Lab9>a.exe
```

The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying a project structure with folders Lab1 through Lab9. The main editor displays the code for lab9.cpp, which includes a linked list structure and a Dictionary class. The terminal at the bottom shows the program's output, including a menu with options 1 (Create), 2 (Search for a value), and 3 (Delete an value). The user has selected option 2, entered the element to be searched (23), and the program has responded with "Search key found".

```
1 #include<iostream>
2 #include<stdlib.h>
3 using namespace std;
4
5 # define max 10
6
7 typedef struct list {
8     int data;
9     struct list *next;
10 } node;
11 node *ptr[max], *root[max], *temp[max];
12
13 class Dictionary {
14 public:
15     int index;
16     Dictionary();
17     void insert(int);
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```

Lab9 > C++ lab9.cpp > main()

Enter y to Continue:y

MENU:

1.Create

2.Search for a value

3.Delete an value

Enter your choice:2

Enter the element to be searched:23

Search key found

Enter y to Continue:

Delete

This screenshot shows the same Visual Studio Code interface as the previous one, but the terminal output has progressed. The user has now selected option 3 (Delete an value) from the menu, entered the element to be deleted (23), and the program has responded with "23 has been deleted.". The terminal prompt "Enter y to Continue:" is visible at the bottom.

```
1 #include<iostream>
2 #include<stdlib.h>
3 using namespace std;
4
5 # define max 10
6
7 typedef struct list {
8     int data;
9     struct list *next;
10 } node;
11 node *ptr[max], *root[max], *temp[max];
12
13 class Dictionary {
14 public:
15     int index;
16     Dictionary();
17     void insert(int);
18
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```

Lab9 > C++ lab9.cpp > main()

Search key found

Enter y to Continue:y

MENU:

1.Create

2.Search for a value

3.Delete an value

Enter your choice:3

Enter the element to be deleted:23

23 has been deleted.

Enter y to Continue: