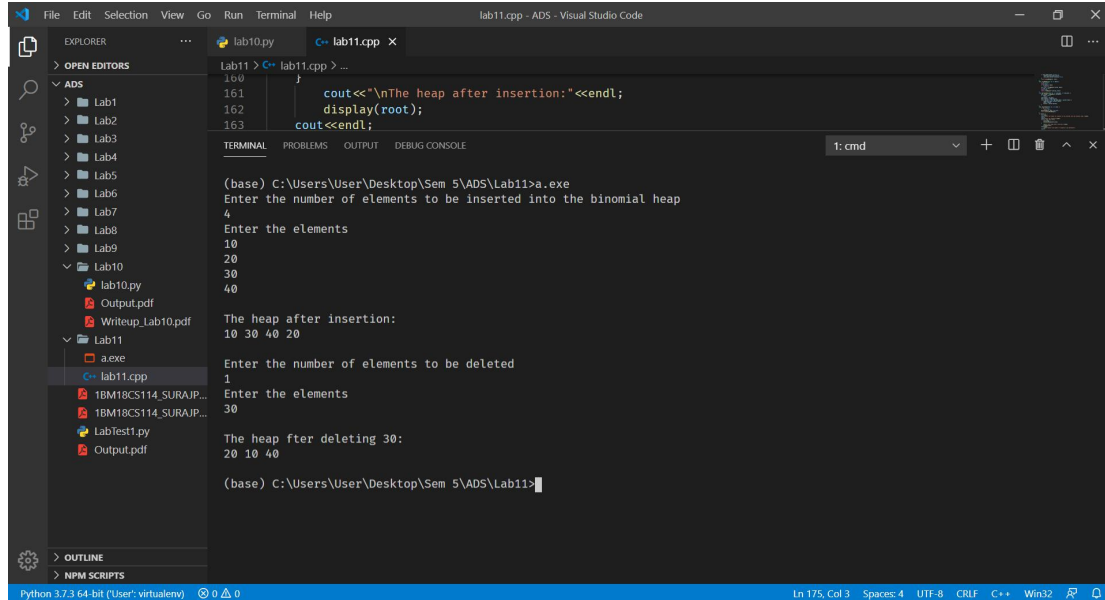


# Output



The screenshot shows the Visual Studio Code interface with a C++ file named `lab11.cpp` open. The code defines a `binomialHeap` structure and implements functions for inserting and deleting elements. The terminal window shows the execution of the program, which prompts the user to enter the number of elements to be inserted (4), the elements themselves (10, 20, 30, 40), and then the number of elements to be deleted (1). The output shows the heap after insertion and after deleting the element 30.

```
lab11.cpp
160 }
161     cout<<"\nThe heap after insertion:"<<endl;
162     display(root);
163     cout<<endl;
```

```
(base) C:\Users\User\Desktop\Sem 5\ADS\Lab11>a.exe
Enter the number of elements to be inserted into the binomial heap
4
Enter the elements
10
20
30
40

The heap after insertion:
10 30 40 20

Enter the number of elements to be deleted
1
Enter the elements
30

The heap fter deleting 30:
20 10 40

(base) C:\Users\User\Desktop\Sem 5\ADS\Lab11>
```