

The image shows a Visual Studio Code editor window with a Python file named `program5.py`. The code implements an insertion sort algorithm. The list `L` is initialized with the values `[54, 26, 93, 17, 77, 31, 44, 55, 20]`. After calling `insertionSort(L)`, the sorted list is printed as `[17, 20, 26, 31, 44, 54, 55, 77, 93]`.

```
1 # insertion sort
2 def insertionSort(L):
3     for index in range(1, len(L)):
4         currentvalue = L[index]
5         position = index
6         while position > 0 and L[position-1] > currentvalue:
7             L[position] = L[position-1]
8             position = position - 1
9         L[position] = currentvalue
10
11 L = [54, 26, 93, 17, 77, 31, 44, 55, 20]
12 insertionSort(L)
13 print(L)
14
15
```

The terminal at the bottom shows the command to run the script using the Python 3.10 interpreter, and the output of the sorted list.

```
PS E:\GITAM\4th sem\PYTHON LAB> & C:/Users/adity/AppData/Local/Microsoft/windowsApps/python3.10.exe "e:/GITAM/4th sem/PYTHON LAB/program5.py"
[17, 20, 26, 31, 44, 54, 55, 77, 93]
PS E:\GITAM\4th sem\PYTHON LAB>
```