

The screenshot shows the Visual Studio Code interface with a Python file named 'Hw 6.py (deleted)'. The code in the editor includes string operations like counting characters, finding substrings, and replacing text, as well as list and tuple operations like counting elements and finding indices. The terminal output shows the execution of the script, displaying the results of these operations. The status bar at the bottom indicates the Python version is 3.9.6 64-bit and the current file is 'Hw 6.py (deleted)'.

```
1 # String operations
2 str1="My name is"
3 str2="Setthawuth"
4 print(str1)
5 print(str2)
6 print("-----Build in Function-----")
7 print("count is ")
8 print(str2.count("t"))
9 print(str2.capitalize())
10 print(len(str1))
11 print(str2.lower())
12 print(str2.upper())
13 print(str2.strip("Rocket"))
14 print(str2.find("t"))
15 print(str1.replace("uth","ja"))
16 print(str1.join("e"))
17 print(str2.ljust(20,"t"))
18 print(str2.rjust(5,"y"))
19 print(str2.isdigit())
20
21 print("-----list&tuple-----")
22 list1=["A",20,"E",20,"I",20,"o",20,"u",20]
23 print(list1)
24 print(list1.count("A"))
25 tuple1=("Y",10,"O",20,"U",15)
26 print(tuple1.count("Y"))
27 print(len(list1))
28 print(len(tuple1))
```

earth  
25  
Male  
earth  
{'name': 'earth', 'age': 25, 'sex': 'Male'}  
25  
{'name': 'earth', 'age': 25, 'sex': 'Male'}  
Male  
{'name': 'earth', 'age': 25, 'sex': 'Male'}  
PS C:\Users\earth>

The screenshot shows the Visual Studio Code interface with a Python file named 'Hw 6.py (deleted)'. The code in the editor includes list operations like indexing, appending, removing, and clearing, as well as set operations like creating, adding, and performing set arithmetic. The terminal output shows the execution of the script, displaying the results of these operations. The status bar at the bottom indicates the Python version is 3.9.6 64-bit and the current file is 'Hw 6.py (deleted)'.

```
30 print(tuple1.index("Y"))
31 list1.append("earth")
32 print(list1)
33 list1.remove(20)
34 print(list1)
35 list1.pop(5)
36 print(list1)
37 list1.clear()
38 print(list1)
39 a=("Fish")
40 b=("Fish",20)
41 print(a)
42 print(b)
43 print("-----Set-----")
44 set1={'l','o','v','e'}
45 for data in set1:
46     print(data, end=" ")
47 print("-----Build in Function-----")
48 set2={"earth","eiei","handsome"}
49 set3={"Are","you","okay"}
50 set2.union(set3)
51 print(set2)
52 set2.intersection(set3)
53 print(set3)
54 set2.difference(set3)
55 print(set3)
56 set1.add("Ah ha")
57 print(set1)
```

earth  
25  
Male  
earth  
{'name': 'earth', 'age': 25, 'sex': 'Male'}  
25  
{'name': 'earth', 'age': 25, 'sex': 'Male'}  
Male  
{'name': 'earth', 'age': 25, 'sex': 'Male'}  
PS C:\Users\earth>

