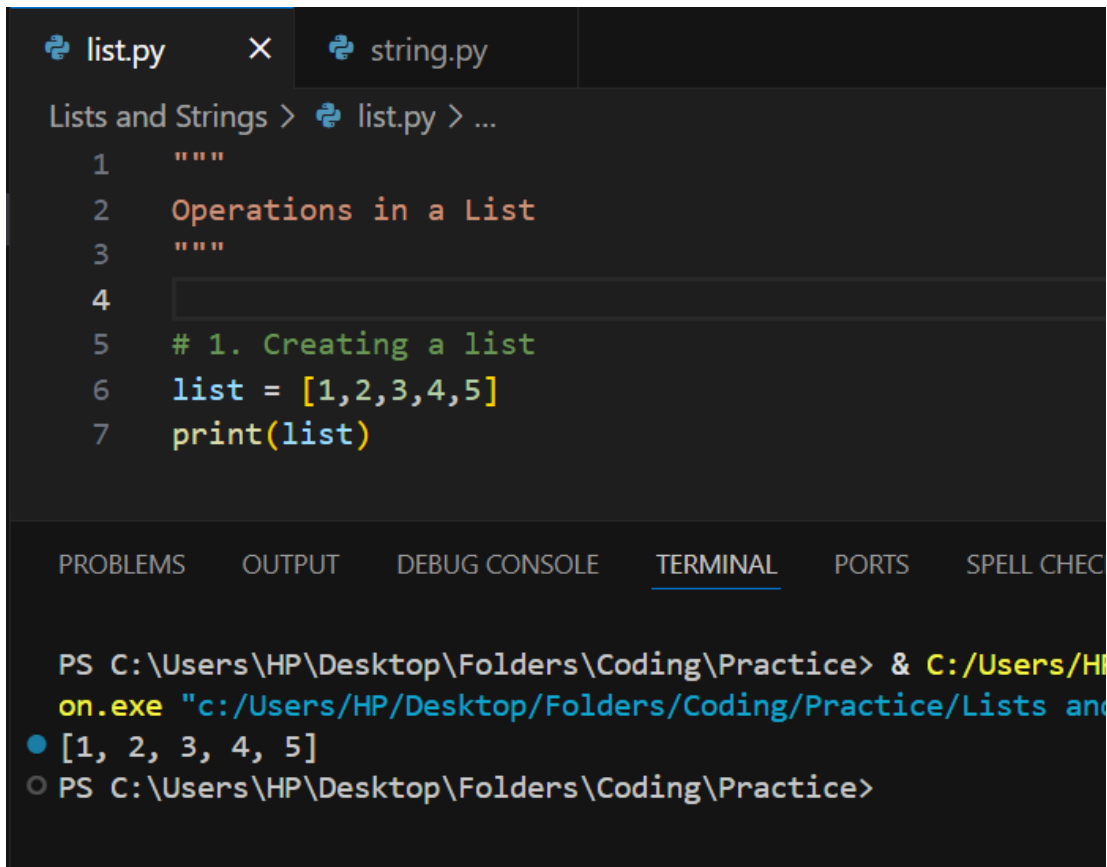


Lists

1. Creating a list



The screenshot shows a code editor with two tabs: `list.py` and `string.py`. The `list.py` tab is active, displaying the following code:

```
1  """
2  Operations in a List
3  """
4
5  # 1. Creating a list
6  list = [1,2,3,4,5]
7  print(list)
```

Below the code editor, the `TERMINAL` tab is selected, showing the command prompt output:

```
PS C:\Users\HP\Desktop\Folders\Coding\Practice> & C:/Users/HP/Desktop/Folders/Coding/Practice/Lists and Strings.exe "c:/Users/HP/Desktop/Folders/Coding/Practice/Lists and Strings.py"
● [1, 2, 3, 4, 5]
○ PS C:\Users\HP\Desktop\Folders\Coding\Practice>
```

2. Append, insert, and delete operation in a list

```
Lists and Strings > list.py > ...
1  """
2  Operations in a List
3  """
4
5  # 1. Creating a list
6  list = [1,2,3,4,5]
7
8  # 2. Appending
9  list.append(7)
10 print(list)
11
12 # 3. inserting
13 list.insert(5, 6)
14 print(list)
15
16 # 4. delete
17 list.remove(3)
18 print(list)
19
20 del list[2]
21 print(list)
22
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECK

```
on.exe "c:/Users/HP/Desktop/Folders/Coding/Practice/Lists and
[1, 2, 3, 4, 5, 7]
[1, 2, 3, 4, 5, 6, 7]
[1, 2, 4, 5, 6, 7]
[1, 2, 5, 6, 7]
PS C:\Users\HP\Desktop\Folders\Coding\Practice>
```

3. sorting a list

```
22
23 # 5. sorting the list
24 list2 = [1,2,9,4,3]
25 list2.sort()
26 print(list2)
27
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER

PS C:\Users\HP\Desktop\Folders\Coding\Practice> & C:/Users/HP/AppData/Local/Python/Python38-64/Python.exe "c:/Users/HP/Desktop/Folders/Coding/Practice/Lists and Strings/list2.py"

[1, 2, 3, 4, 9]

PS C:\Users\HP\Desktop\Folders\Coding\Practice>

4. Reverse sort

```
22
23 # 5. sorting the list
24 list2 = [1,2,9,4,3]
25 list2.sort()
26 print(list2)
27
28 # 6. reverse sort
29 list2.sort(reverse = True)
30 print(list2)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER

[1, 2, 3, 4, 9]

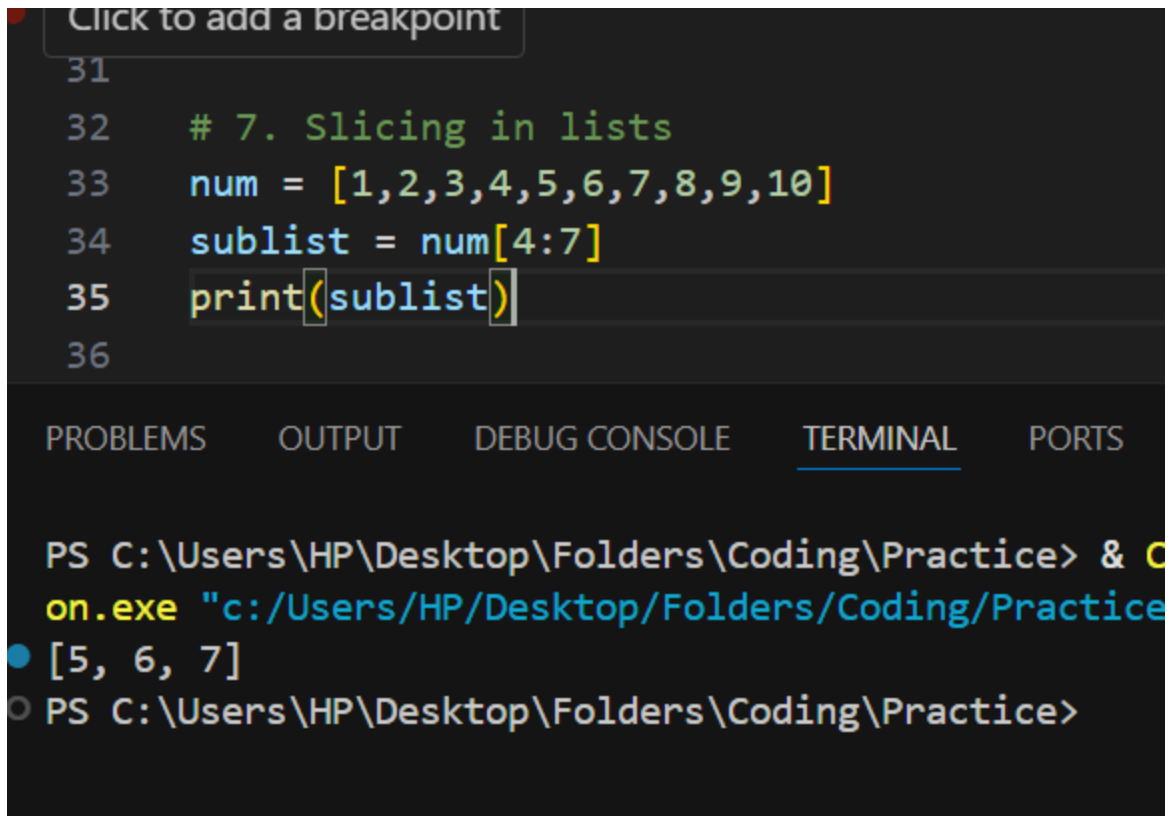
● PS C:\Users\HP\Desktop\Folders\Coding\Practice> & C:/Users/HP/AppData/Local/Python/Python38-64/Python.exe "c:/Users/HP/Desktop/Folders/Coding/Practice/Lists and Strings/list2.py"

[1, 2, 3, 4, 9]

[9, 4, 3, 2, 1]

○ PS C:\Users\HP\Desktop\Folders\Coding\Practice>

5. Slicing a List



The screenshot shows a code editor with a dark background. At the top, a tooltip says "Click to add a breakpoint". The code is as follows:

```
31
32 # 7. Slicing in lists
33 num = [1,2,3,4,5,6,7,8,9,10]
34 sublist = num[4:7]
35 print(sublist)
36
```

Below the code, there are tabs for "PROBLEMS", "OUTPUT", "DEBUG CONSOLE", "TERMINAL", and "PORTS". The "TERMINAL" tab is selected, showing the following command prompt session:

```
PS C:\Users\HP\Desktop\Folders\Coding\Practice> & C:\Python39\python.exe "c:/Users/HP/Desktop/Folders/Coding/Practice/7.py"
[5, 6, 7]
PS C:\Users\HP\Desktop\Folders\Coding\Practice>
```