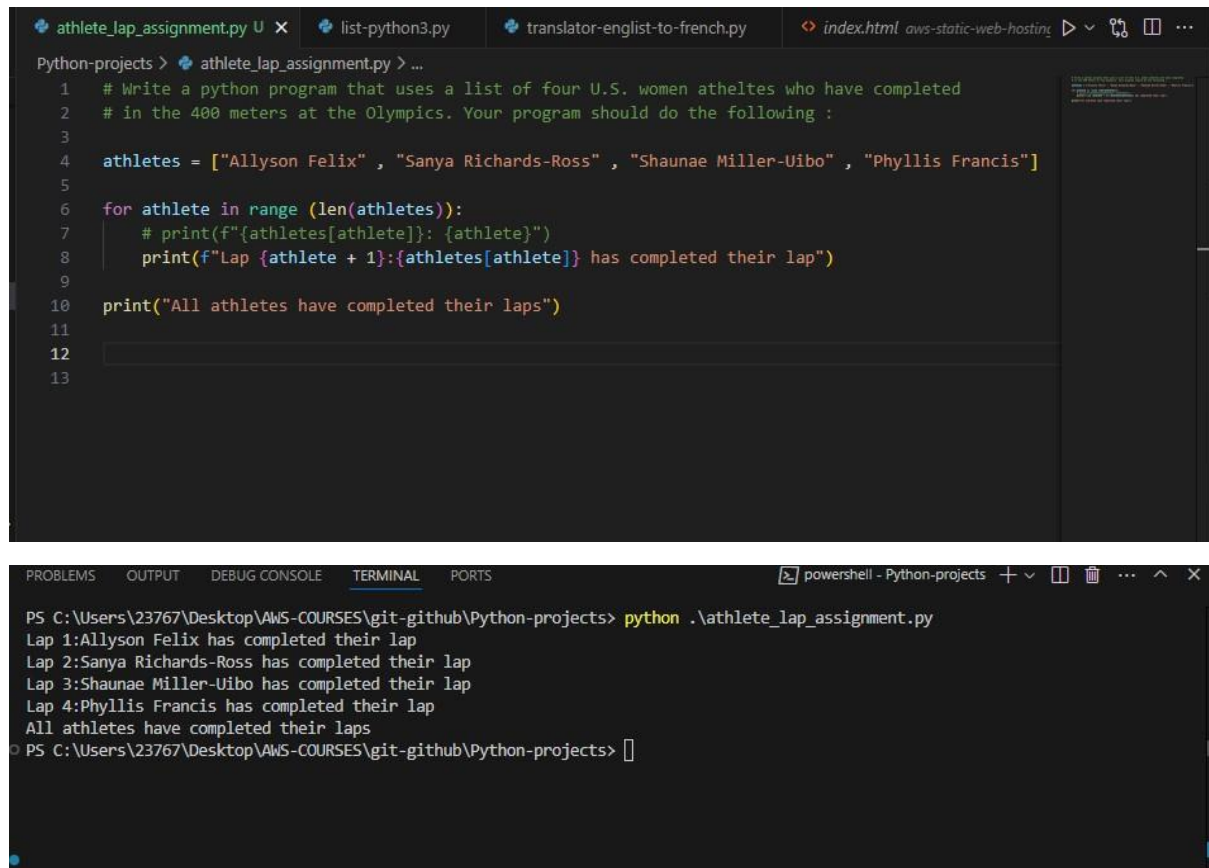


Python Lab1 : Write a Python program that uses a list of four U.S. women athletes who have competed in the 400 meters at the Olympics. Your program should do the following:



The screenshot shows a code editor with a file named `athlete_lap_assignment.py` and a terminal window below it. The code in the editor defines a list of four U.S. women athletes and iterates through them to print their lap completion status.

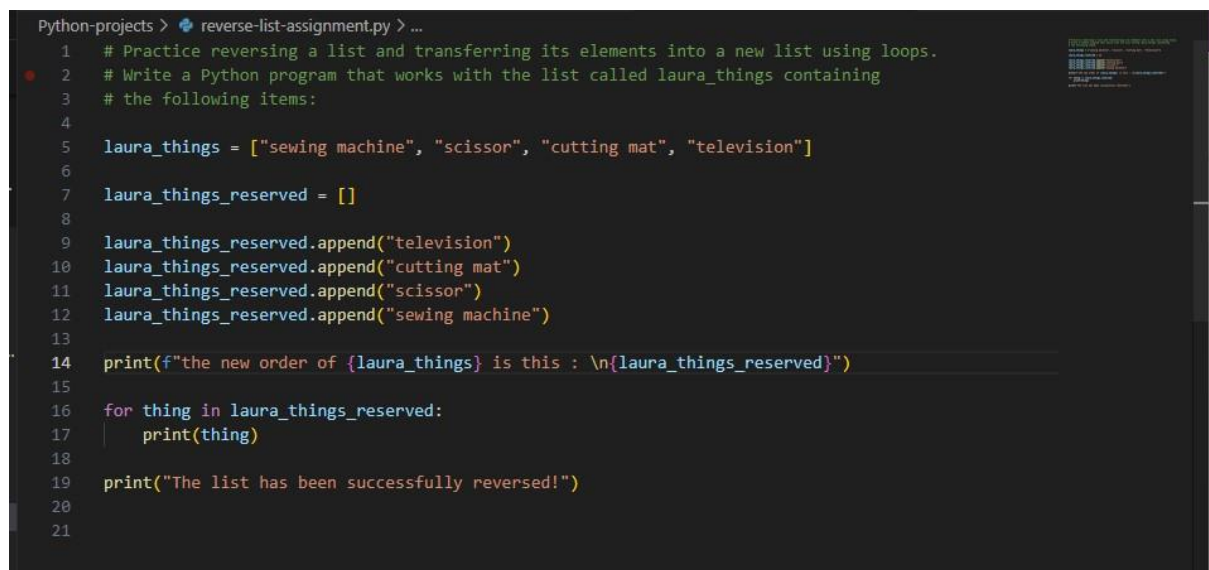
```
Python-projects > athlete_lap_assignment.py > ...
1 # Write a python program that uses a list of four U.S. women athletes who have completed
2 # in the 400 meters at the Olympics. Your program should do the following :
3
4 athletes = ["Allyson Felix", "Sanya Richards-Ross", "Shaunae Miller-Uibo", "Phyllis Francis"]
5
6 for athlete in range(len(athletes)):
7     # print(f"{athletes[athlete]}: {athlete}")
8     print(f"Lap {athlete + 1}:{athletes[athlete]} has completed their lap")
9
10 print("All athletes have completed their laps")
11
12
13
```

The terminal output shows the program being executed and the following results:

```
PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects> python .\athlete_lap_assignment.py
Lap 1:Allyson Felix has completed their lap
Lap 2:Sanya Richards-Ross has completed their lap
Lap 3:Shaunae Miller-Uibo has completed their lap
Lap 4:Phyllis Francis has completed their lap
All athletes have completed their laps
PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects>
```

Python Lab2 : **Objective:** Practice reversing a list and transferring its elements into a new list using loops.

**Task:** Write a Python program that works with the list called `laura_things` containing the following items:



The screenshot shows a code editor with a file named `reverse-list-assignment.py`. The code defines a list of items, creates a new list, appends the items in reverse order, and prints the result.

```
Python-projects > reverse-list-assignment.py > ...
1 # Practice reversing a list and transferring its elements into a new list using loops.
2 # Write a Python program that works with the list called laura_things containing
3 # the following items:
4
5 laura_things = ["sewing machine", "scissor", "cutting mat", "television"]
6
7 laura_things_reserved = []
8
9 laura_things_reserved.append("television")
10 laura_things_reserved.append("cutting mat")
11 laura_things_reserved.append("scissor")
12 laura_things_reserved.append("sewing machine")
13
14 print(f"the new order of {laura_things} is this : \n{laura_things_reserved}")
15
16 for thing in laura_things_reserved:
17     print(thing)
18
19 print("The list has been successfully reversed!")
20
21
```

```
PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects> python .\reverse-list-assignment.py
the new order of ['sewing machine', 'scissor', 'cutting mat', 'television'] is this :
['television', 'cutting mat', 'scissor', 'sewing machine']
television
cutting mat
scissor
sewing machine
The list has been successfully reversed!
PS C:\Users\23767\Desktop\AWS-COURSES\git-github\Python-projects> 
```