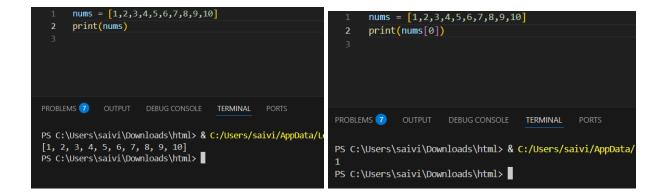
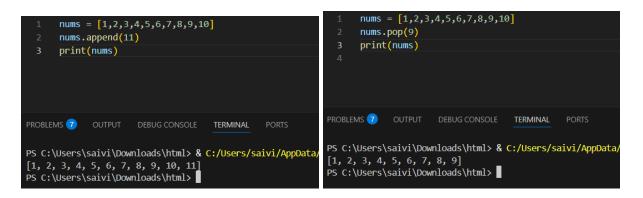
Create a list of integers from 1 to 10

How can you access the first element of a list?



Write a Python code to append an element to the end of a list. How do you remove the last element from a list?



How can you find the length of a list?

Write a Python program to find the largest number in a list.

How do you find the index of an element in a list?

How can you create a list of 5 elements, then remove all of them?

How can you slice a list to get elements from index 2 to 5?

How can you concatenate two lists in Python?

How can you copy a list into another list?

```
nums = [10, 25, 67, 89, 45]
copy = nums.copy()
print(copy)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\saivi\Downloads\html> & C:/Users/saivi/AppData/
[10, 25, 67, 89, 45]
PS C:\Users\saivi\Downloads\html>
```

Write a Python program to count the number of times an element appears in a list.

```
nums = [10, 25, 67, 25, 89, 45, 25, 67, 25]
2 element = 25
3
4 count = nums.count(element)
5 print(f"{element} appears {count} times in the li
6

PROBLEMS  OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\saivi\Downloads\html> & C:/Users/saivi/AppData/
25 appears 4 times in the list
PS C:\Users\saivi\Downloads\html>
```

How can you check if a list is empty?

Write a Python program to reverse a string.

```
nums = []
                                                                name = "Vignesh Ch"
                                                                reversed_string = name[::-1]
      if not nums:
                                                                print("Reversed string:", reversed_string)
          print("The list is empty")
          print("The list is not empty")
PROBLEMS 7 OUTPUT DEBUG CONSOLE
                                    TERMINAL
                                                          PROBLEMS 7
                                                                                              TERMINAL
PS C:\Users\saivi\Downloads\html> & C:/Users/saivi/AppData/
                                                          PS C:\Users\saivi\Downloads\html> & C:/Users/saivi/AppData/
The list is empty
                                                          Reversed string: hC hsengiV
PS C:\Users\saivi\Downloads\html>
                                                          PS C:\Users\saivi\Downloads\html>
```

String questions:

Create a string variable that holds your name and print it. How do you convert a string to uppercase in Python?

Write a code to check if a string contains a specific substring.

How can you find the length of a string in Python?

```
name = "Vignesh Ch"
      substring = "Ch"
                                                                    name = "Vignesh Ch"
length = sum(1 for char in name)
      if substring in name:
                                                                    print("Length of the string:", length)
           print(f'"{substring}" is in the string')
           print(f'"{substring}" is not in the string')
PROBLEMS 7 OUTPUT DEBUG CONSOLE TERMINAL
                                                              PROBLEMS 7
                                                                                                  TERMINAL
PS C:\Users\saivi\Downloads\html> & C:/Users/saivi/AppData/
                                                              PS C:\Users\saivi\Downloads\html> & C:/Users/saivi/AppData/
"Ch" is in the string
                                                              Length of the string: 10
PS C:\Users\saivi\Downloads\html>
                                                              PS C:\Users\saivi\Downloads\html>
```