input

```
▶ Run O Debug
                      ■ Stop  Share  Save () Beautify
                                                                                   Language Python 3 V 🕕 🥸
calculator = {
   'add': lambda x, y: x + y,
      'subtract': lambda x, y: x - y,
      'multiply': lambda x, y: x * y,
'divide': lambda x, y: x / y if y != 0 else 'Error: Division by zero'
 }
result_add = calculator['add'](2, 3)
result_subtract = calculator['subtract'](5, 2)
result_multiply = calculator['multiply'](3, 4)
result_divide = calculator['divide'](10, 2)
print("Addition result:", result_add)
print("Subtraction result:", result_subtract)
print("Multiplication result:", result_multiply)
print("Division result:", result_divide)
```

input

✓ ✓ ☼ 👙
Addition result: 5
Subtraction result: 3
Multiplication result: 12
Division result: 5.0

...Program finished with exit code 0 Press ENTER to exit console.

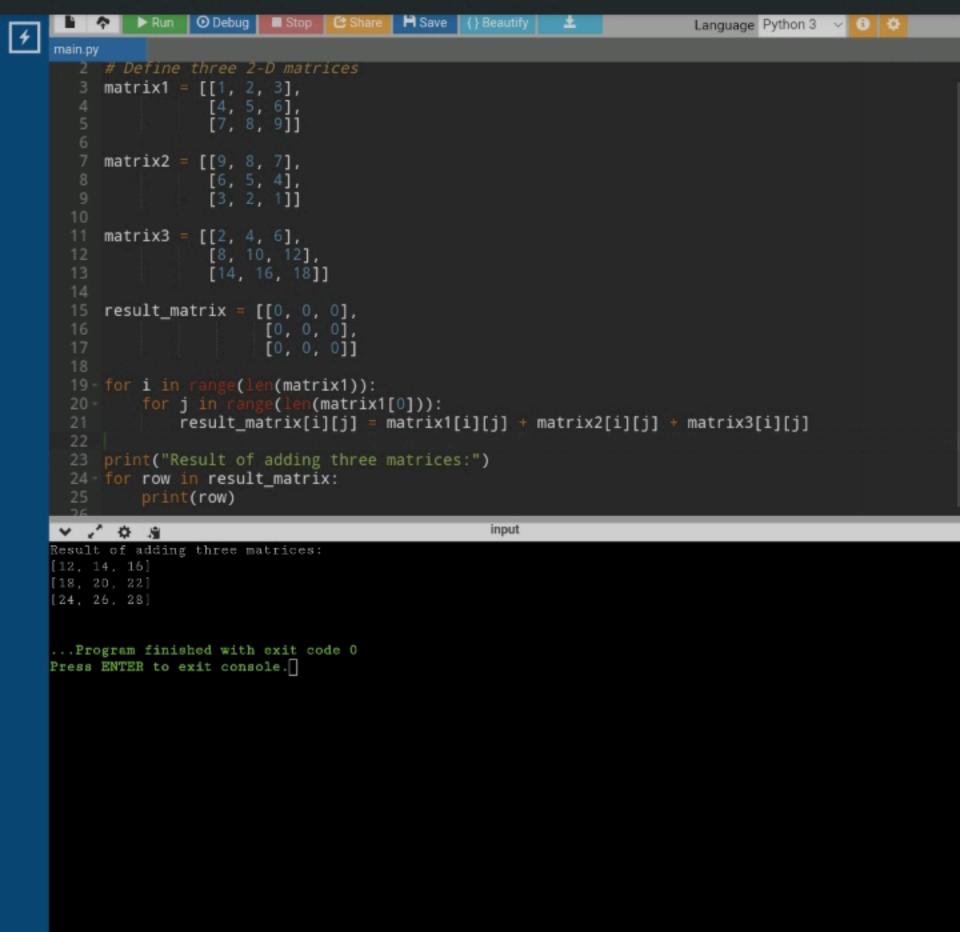


Prun O Debug Stop C Share H Save () Beautify Language Python 3 V (1) #write a program to find the character with highest ASCIIvalue in string. def highest_ascii_char(input_str): if not input_str: return None max_char = input_str[0] for char in input_str: ord(char) > ord(max_char): max_char = char return max_char
input_string = "Hello World!" 14 result = highest_ascii_char(input_string) 15 print("Character with highest ASCII value is", result) V / 0 8 input

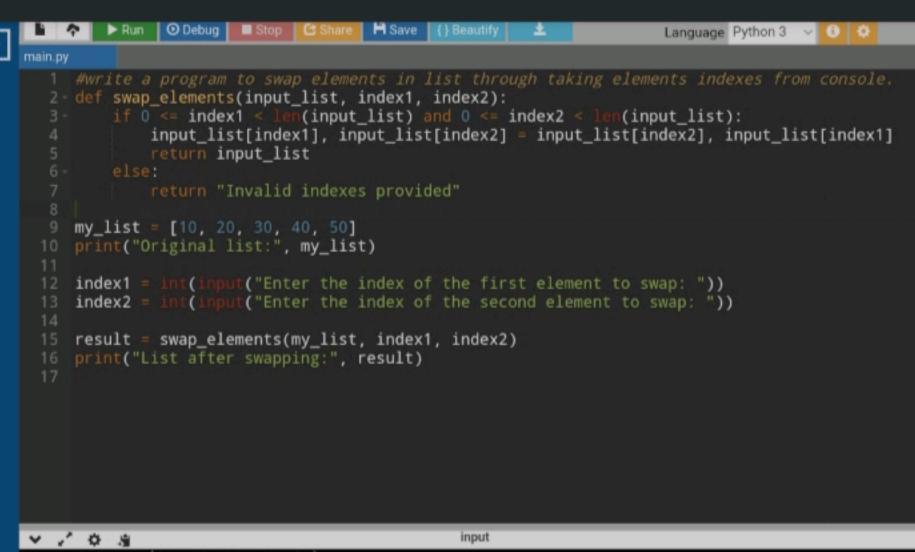
Character with highest ASCII value is r

...Program finished with exit code C Press ENTER to exit console.





```
▶ Run O Debug Stop C Share  Save
                                                                           Language Python 3 V 6 🌣
      def most_frequent_element(input_list):
          frequency_dict = {}
max_frequency = 0
          for element in input_list:
               frequency_dict[element] = frequency_dict.get(element, 0) + 1
               max_frequency = max(max_frequency, frequency_dict[element])
          most_frequent_elements = [key for key, value in frequency_dict.items() if value == max_
          return most_frequent_elements
      input_list1 = [1, 2, 1, 1, 2, 3]
      input_list2 = [10, 20, 10, 10, 50, 30, 20, 30, 40, 20]
      output1 = most_frequent_element(input_list1)
      output2 = most_frequent_element(input_list2)
      print("Most frequent element(s) in input_list1:", output1)
      print("Most frequent element(s) in input_list2:", output2)
V / 4 8
                                                   input
Most frequent element(s) in input_list1: [1]
Most frequent element(s) in input_list2: [10, 20]
... Program finished with exit code 0
Press ENTER to exit console.
```



Original list: [10, 20, 30, 40, 50]
Enter the index of the first element to swap: 0
Enter the index of the second element to swap: 1
List after swapping: [20, 10, 30, 40, 50]

...Program finished with exit code 0
Press ENTER to exit console.

print("Sum of elements in the 3-D matrix:", sum_of_elements)

* / * *

input

Sum of elements in the 3-D matrix: 27

...Program finished with exit code 0 Press ENTER to exit console.

```
main.py

1 #Write a program to merge to dictionaries
2 dict1 = {'a': 1, 'b': 2}
3 dict2 = {'b': 3, 'c': 4}
4 merged_dict = dict1.copy()
5 merged_dict.update(dict2)
6 print("Merged dictionary:", merged_dict)
7
```

input

Merged dictionary: {'a': 1, 'b': 3, 'c': 4}

...Program finished with exit code 0

Press ENTER to exit console.