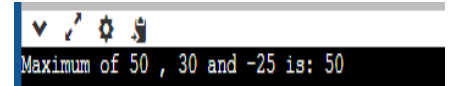


1. Write a Python function to find the maximum of three numbers.

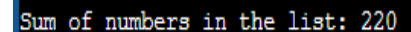
```
2
3 Welcome to GDB Online.
4 GDB online is an online compiler and debugger tool for C, C++, Python, Java, PHP, Ruby, Perl,
5 C#, OCaml, VB, Swift, Pascal, Fortran, Haskell, Objective-C, Assembly, HTML, CSS, JS, SQLite, Prolog.
6 Code, Compile, Run and Debug online from anywhere in world.
7
8 ...
9 #Python function to find the maximum of three numbers
10 def find_max(num1, num2, num3):
11     max_num = num1
12     if num2 > max_num:
13         max_num = num2
14     if num3 > max_num:
15         max_num = num3
16     return max_num
17
18 num1 = 50
19 num2 = 30
20 num3 = -25
21 print("Maximum of", num1, ",", num2, "and", num3, "is:", find_max(num1, num2, num3))
22 print("")
23
```



Maximum of 50 , 30 and -25 is: 50

2. Write a Python function to sum all the numbers in a list.

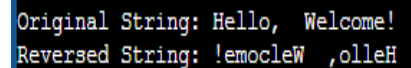
```
24 # Python function to sum all the numbers in a list
25 def sum_number(numbers):
26     total = 0
27     for num_bers in numbers:
28         total += num_bers
29     return total
30
31 num_list = [60, 20, 10, 80, 50]
32 print("Sum of numbers in the list:", sum_number(num_list))
33 print("")
34
```



Sum of numbers in the list: 220

3. Write a Python program to reverse a string.

```
35 #Python program to reverse a string
36 def reverse_string(input_string):
37
38     return input_string[::-1]
39
40 # Example usage:
41 original_string = "Hello, Welcome!"
42 reversed_string = reverse_string(original_string)
43 print("Original String:", original_string)
44 print("Reversed String:", reversed_string)
45 print("")
```



Original String: Hello, Welcome!
Reversed String: !emocleW ,olleH

4. Write a Python function that accepts a string and counts the number of upper and lower case letters.

```
47 #Python function that accepts a string and counts the number of upper and lower case Letters
48 def count_upper_lower(string):
49
50     upper_count = 0
51     lower_count = 0
52
53     for char in string:
54         if char.isupper():
55             upper_count += 1
56         elif char.islower():
57             lower_count += 1
58
59     return upper_count, lower_count
60
61 input_string = "Hello Welcome! Thank you for coming!"
62 upper_count, lower_count = count_upper_lower(input_string)
63 print("Number of uppercase letters:", upper_count)
64 print("Number of lowercase letters:", lower_count)
65 print("")
66
```

```
Number of uppercase letters: 3
Number of lowercase letters: 26
```

5. Write a Python function that takes a list and returns a new list with distinct elements from the first list.

```
66
67 #Python function that takes a list and returns a new
68 #list with distinct elements from the first list
69 def get_unique_elements(input_list):
70
71     return list(set(input_list))
72
73 original_list = [1, 3, 2, 6, 4, 7, 5]
74 unique_list = get_unique_elements(original_list)
75 print("Original List:", original_list)
76 print("List with Distinct Elements:", unique_list)
77
```

```
Original List: [1, 3, 2, 6, 4, 7, 5]
List with Distinct Elements: [1, 2, 3, 4, 5, 6, 7]

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