



Raneem Aldaghfag

Lab 16

Raneem Aldaghfag - Lab 16

No Selection

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2 #Question 1:
3 def sum_of_two_numbers(num1, num2):
4     sum = num1 + num2
5     return sum
6
7 #Question 2:
8 List = [1, 2, 3, 4]
9 for element in List:
10     print(element)
11
12 #Question 3:
13 List = [1, 2, 3, 4]
14 total_sum = sum(List)
15 print(total_sum)
16
17 #Question 4:
18 List = [1, 2, 3, 4]
19 largest_number = max(List)
20 print(largest_number)
21
22 #Question 5:
23 def partial_list(input_list, number):
24     partial_list = input_list[:number]
25     return partial_list
26
27 #Question 6:
28 string = "Tuwaiq_Academy"
29 for letter in string:
30     print(letter)
31
32 #Question 7:
33 list = ["Python", "C++", "Java"]
34 for x in list:
35     if x == "C++":
36         break
37     print(x)
38
39 #Question 8:
40 def rearrange_list(input_list):
41     zeros_list = []
42     non_zeros_list = []
43     for number in input_list:
44         if number == 0:
45             zeros_list.append(number)
46         else:
47             non_zeros_list.append(number)
48     arranged_list = non_zeros_list + zeros_list
49     return arranged_list
```

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50
51 #Question 9:
52 import re
53
54 def find_contact(phoneNumber):
55     if not re.match(r"\d{10}", phoneNumber):
56         print("This is an invalid number.")
57         return
58
59     # Search for the contact in the contact table
60     for contact in contactTable:
61         if contact["Phone"] == phoneNumber:
62             print(f"The owner of the phone number {phoneNumber} is {contact['name']}.")
63             return
64
65     # If the number is not found, print a message
66     print("Sorry, the number is not found.")
67
68 contactTable = [{"name": "Ahmed", "Phone": "0551112222"},
69                 {"name": "Saad", "Phone": "0551113333"},
70                 {"name": "Sultan", "Phone": "0551114444"},
71                 {"name": "Morad", "Phone": "0551115555"},
72                 {"name": "Abdullah", "Phone": "0551116666"}]
73
74 # Get the phone number from the user
75 phoneNumber = input("Enter a phone number: ")
76
77 find_contact(phoneNumber)
78
```