

1.Create two list and join those two list

PROGRAM

```
Execute | Beautify | Share | Source Code | Help

1 list1 = []
2 list2 = []
3 n1 = int(input("Enter the number of elements for the first list: "))
4 for i in range(n1):
5     element = input("Enter an element for the first list: ")
6     list1.append(element)
7 n2 = int(input("Enter the number of elements for the second list: "))
8 for i in range(n2):
9     element = input("Enter an element for the second list: ")
10    list2.append(element)
11 joined_list = list1 + list2
12 print("Joined list:", joined_list)
13
14
```

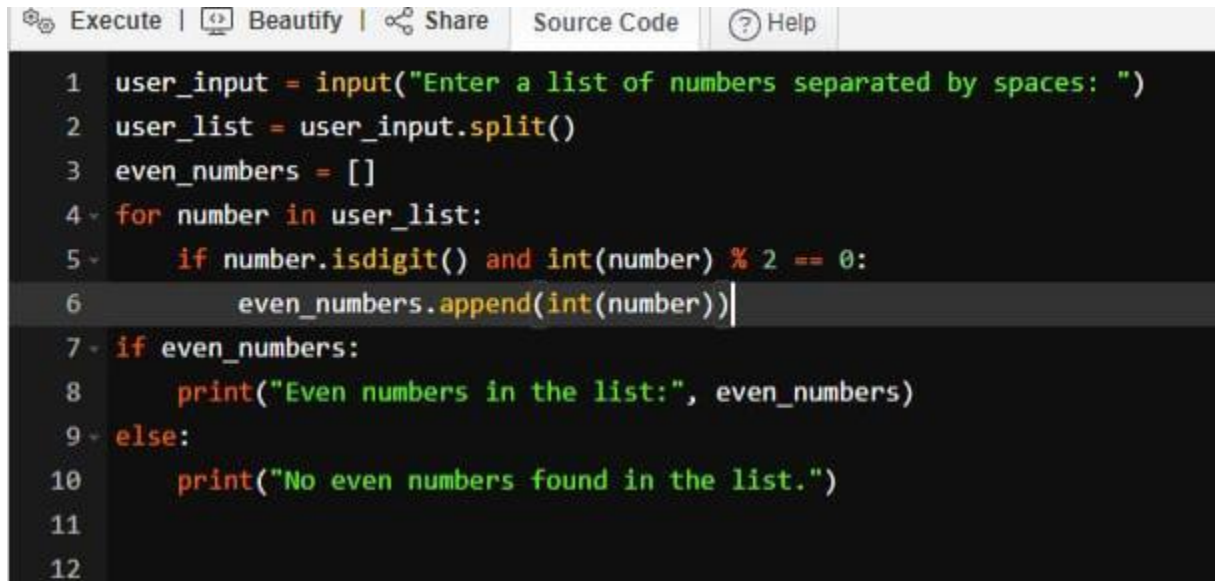
OUTPUT

```
Terminal

Enter the number of elements for the first list: 2
Enter an element for the first list: 34
Enter an element for the first list: 48
Enter the number of elements for the second list: 2
Enter an element for the second list: 50
Enter an element for the second list: 51
Joined list: ['34', '48', '50', '51']
```

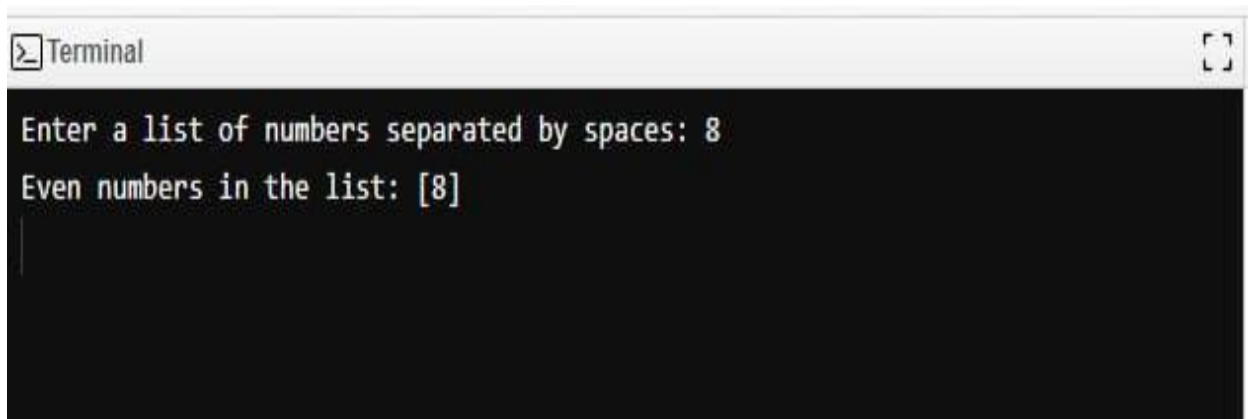
2. With If statement find the even numbers

PROGRAM



```
Execute | Beautify | Share | Source Code | Help
1 user_input = input("Enter a list of numbers separated by spaces: ")
2 user_list = user_input.split()
3 even_numbers = []
4 for number in user_list:
5     if number.isdigit() and int(number) % 2 == 0:
6         even_numbers.append(int(number))
7 if even_numbers:
8     print("Even numbers in the list:", even_numbers)
9 else:
10    print("No even numbers found in the list.")
11
12
```

OUTPUT



```
Terminal
Enter a list of numbers separated by spaces: 8
Even numbers in the list: [8]
```

3. Create a dictionary with 3 keys and 2 values for each key

PROGRAM

```
Execute | Beautify | Share | Source Code | Help

1 my_dictionary = {}
2 for i in range(1, 4):
3     key = input(f"Enter key{i}: ")
4     value1 = input(f"Enter the first value for {key}: ")
5     value2 = input(f"Enter the second value for {key}: ")
6     my_dictionary[key] = [value1, value2]
7 print("The dictionary you created is:")
8 print(my_dictionary)
```

OUTPUT

```
Terminal

Enter key1: name
Enter the first value for name: john
Enter the second value for name: doe
Enter key2: age
Enter the first value for age: 24
Enter the second value for age: 25
Enter key3: colors
Enter the first value for colors: white
Enter the second value for colors: blue
The dictionary you created is:
{'name': ['john', 'doe'], 'age': ['24', '25'], 'colors': ['white', 'blue']}
```

4. Create a function with If statement which is used to find the odd numbers

PROGRAM

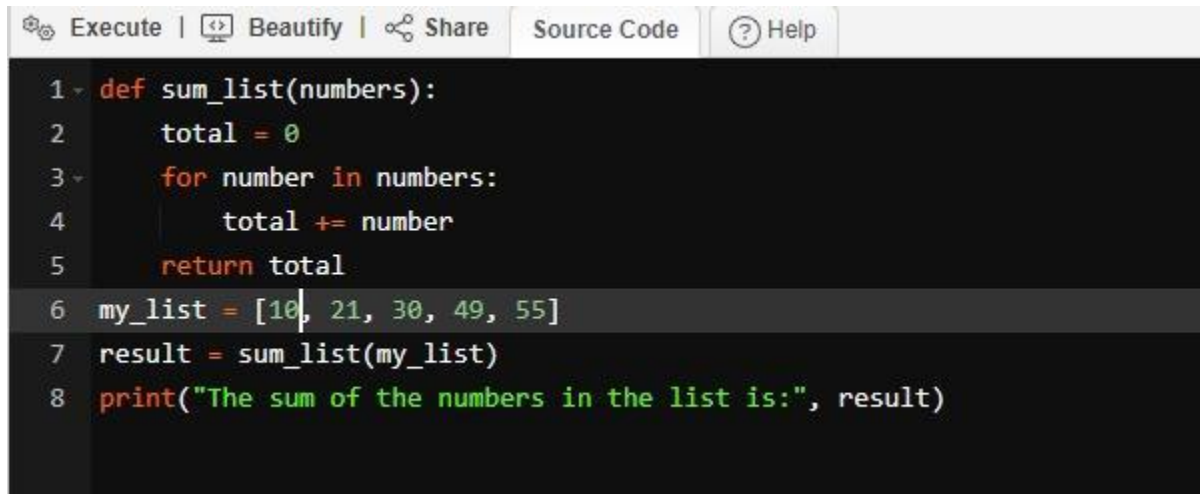
```
Execute | Beautify | Share | Source Code | Help
1 def find_odd_numbers(numbers):
2     odd_numbers = []
3     for number in numbers:
4         if number % 2 != 0:
5             odd_numbers.append(number)
6     return odd_numbers
7 numbers = [61,62,63,64,65,66,67,68,69,70]
8 odd_numbers = find_odd_numbers(numbers)
9 print("Odd numbers in the list:", odd_numbers)
```

OUTPUT

```
Terminal
Odd numbers in the list: [61, 63, 65, 67, 69]
```

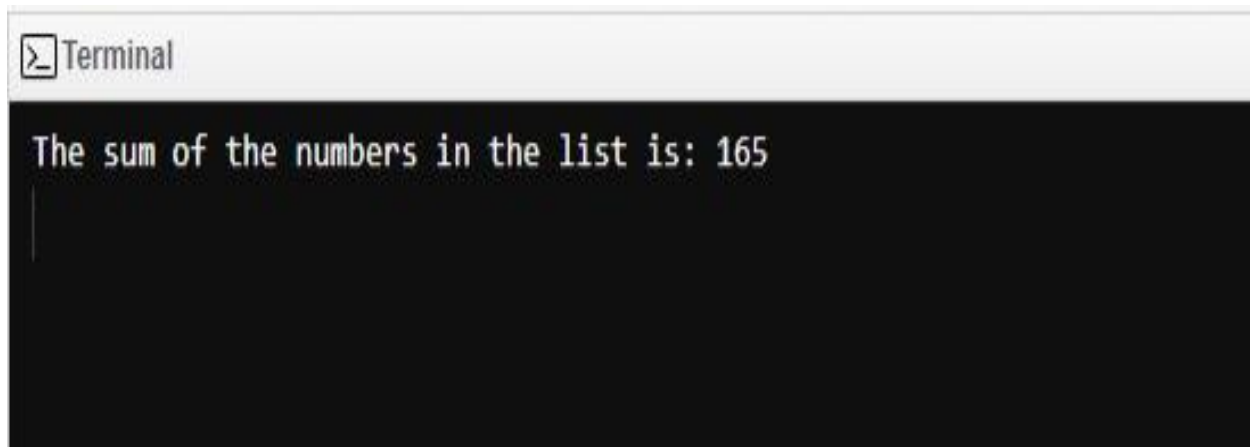
5. Write a Python function to sum all the numbers in a list.

PROGRAM

A screenshot of a Python code editor interface. The top bar contains buttons for 'Execute', 'Beautify', 'Share', 'Source Code', and 'Help'. The main area shows a Python script with the following code:

```
1 def sum_list(numbers):  
2     total = 0  
3     for number in numbers:  
4         total += number  
5     return total  
6 my_list = [10, 21, 30, 49, 55]  
7 result = sum_list(my_list)  
8 print("The sum of the numbers in the list is:", result)
```

OUTPUT

A screenshot of a terminal window titled 'Terminal'. It displays the output of the Python program: 'The sum of the numbers in the list is: 165'. The cursor is positioned on the line below the output.

```
> Terminal  
  
The sum of the numbers in the list is: 165  
|
```