1.Create two list and join those two list

PROGRAM

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```
list1 = []
list2 = []
n1 = int(input("Enter the number of elements for the first list: "))
for i in range(n1):
    element = input("Enter an element for the first list: ")
    list1.append(element)
n2 = int(input("Enter the number of elements for the second list: "))
for i in range(n2):
    element = input("Enter an element for the second list: ")
    list2.append(element)
joined_list = list1 + list2
print("Joined list:", joined_list)
```

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

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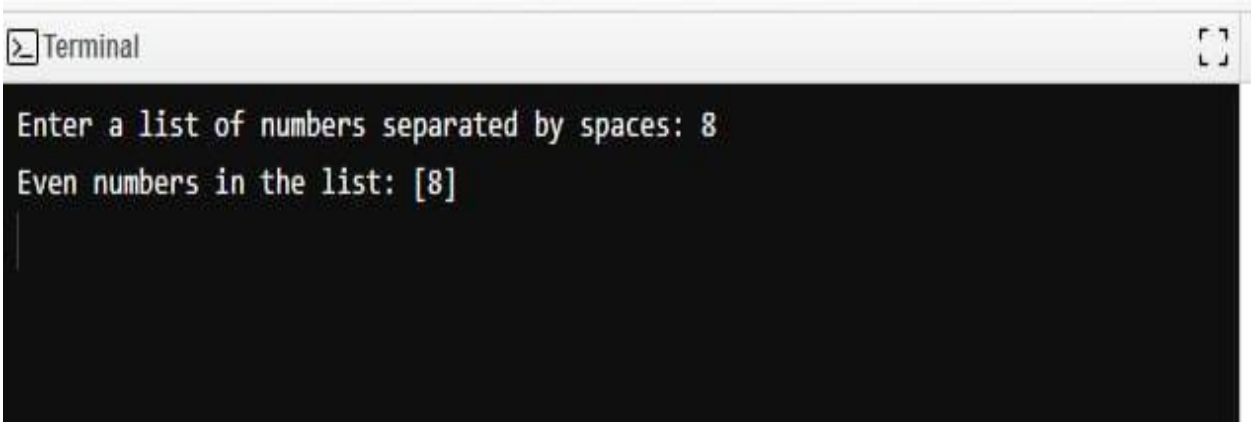
```
user_input = input("Enter a list of numbers separated by spaces: ")
user_list = user_input.split()
even_numbers = []
for number in user_list:
    if number.isdigit() and int(number) % 2 == 0:
        even_numbers.append(int(number))
if even_numbers:
    print("Even numbers in the list:", even_numbers)
else:
    print("No even numbers found in the list.")
```

OUTPUT



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

PROGRAM

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

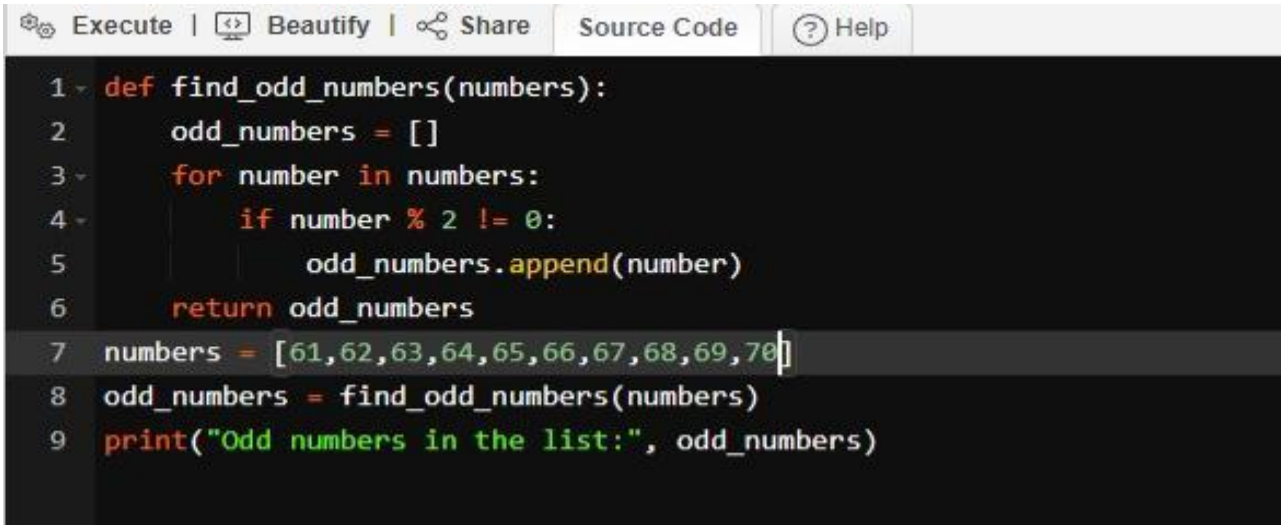
OUTPUT

Terminal

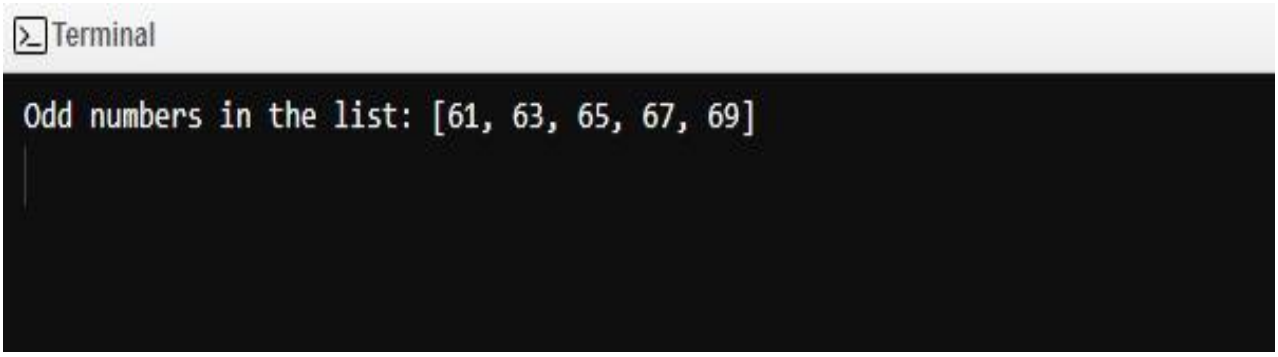
```
Enter key1: name
Enter the first value for name: john
Enter the second value for name: doe
Enter key2: age
Enter the first value for age: 24
Enter the second value for age: 25
Enter key3: colors
Enter the first value for colors: white
Enter the second value for colors: blue
The dictionary you created 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



OUTPUT



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

PROGRAM

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```
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

Terminal

```
The sum of the numbers in the list is: 165
```