1.Create two list and join those two list

PROGRAM

```python
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
```

OUTPUT

```
Enter the number of elements for the first list:
2
Enter an element for the first list:
18
Enter an element for the first list:
19
Enter the number of elements for the second list:
1
Enter an element for the second list:
28
Joined list: ['18', '19', '28']


** Process exited - Return Code: 0 **
Press Enter to exit terminal
```

2. With If statement find the even numbers

PROGRAM

```python
main.py    +

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
```

OUTPUT

```
▶ Run        ↪ Share      Command Line Arguments

Enter a list of numbers separated by spaces:

4

Even numbers in the list: [4]


** Process exited - Return Code: 0 **
Press Enter to exit terminal
```

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

PROGRAM

```python
main.py    +
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)
9
```

OUTPUT

```
Enter key1:
brand
Enter the first value for brand:
ford
Enter the second value for brand:
ford1
Enter key2:
model
Enter the first value for model:
mustang
Enter the second value for model:
mustang1
Enter key3:
year
Enter the first value for year:
1965
Enter the second value for year:
1964
The dictionary you created is:
{'brand': ['ford', 'ford1'], 'model': ['mustang', 'mustang1'], 'year': ['1965', '1964']}


** Process exited - Return Code: 0 **
Press Enter to exit terminal
```

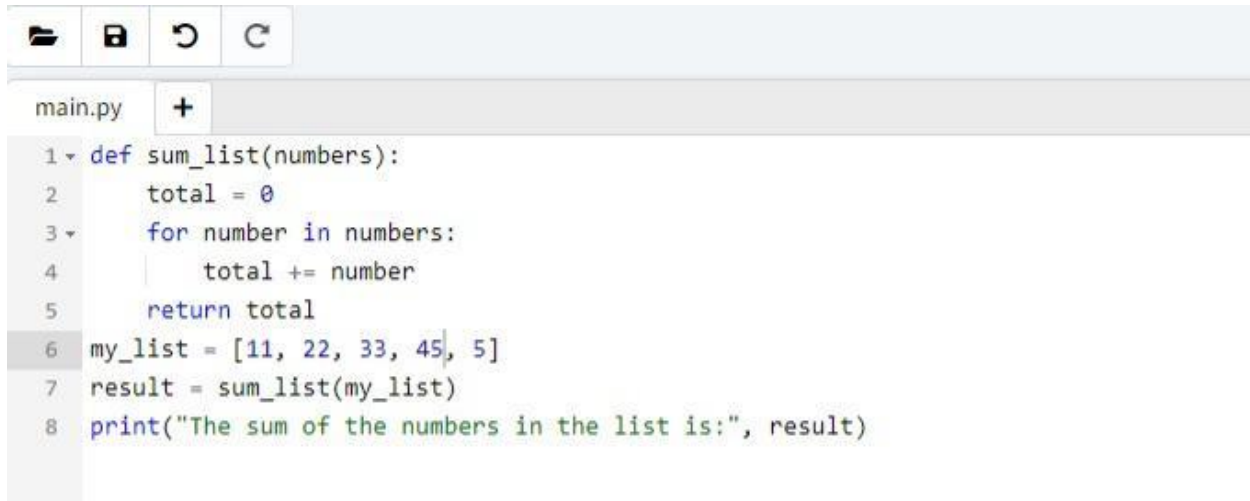## 4. Create a function with If statement which is used to find the odd numbers

PROGRAM

```python
def find_odd_numbers(numbers):
    odd_numbers = []
    for number in numbers:
        if number % 2 != 0:
            odd_numbers.append(number)
    return odd_numbers
numbers = [21,22,23,24,25,26,27,28,29]
odd_numbers = find_odd_numbers(numbers)
print("Odd numbers in the list:", odd_numbers)
```

OUTPUT

```
Odd numbers in the list: [21, 23, 25, 27, 29]


** Process exited - Return Code: 0 **
Press Enter to exit terminal
```
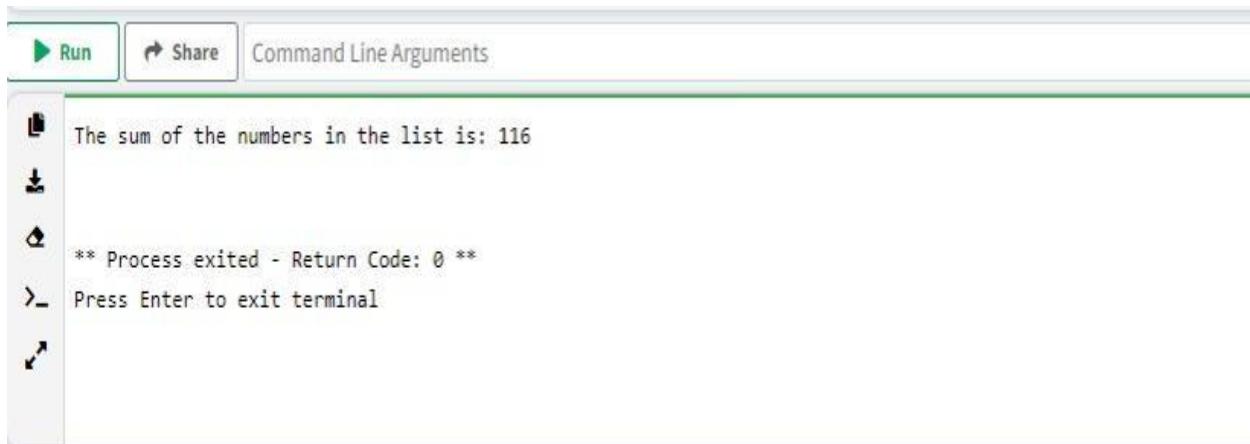
5. Write a Python function to sum all the numbers in a list.

PROGRAM

```python
def sum_list(numbers):
    total = 0
    for number in numbers:
        total += number
    return total
my_list = [11, 22, 33, 45, 5]
result = sum_list(my_list)
print("The sum of the numbers in the list is:", result)
```

OUTPUT

```
The sum of the numbers in the list is: 116

** Process exited - Return Code: 0 **
Press Enter to exit terminal
```