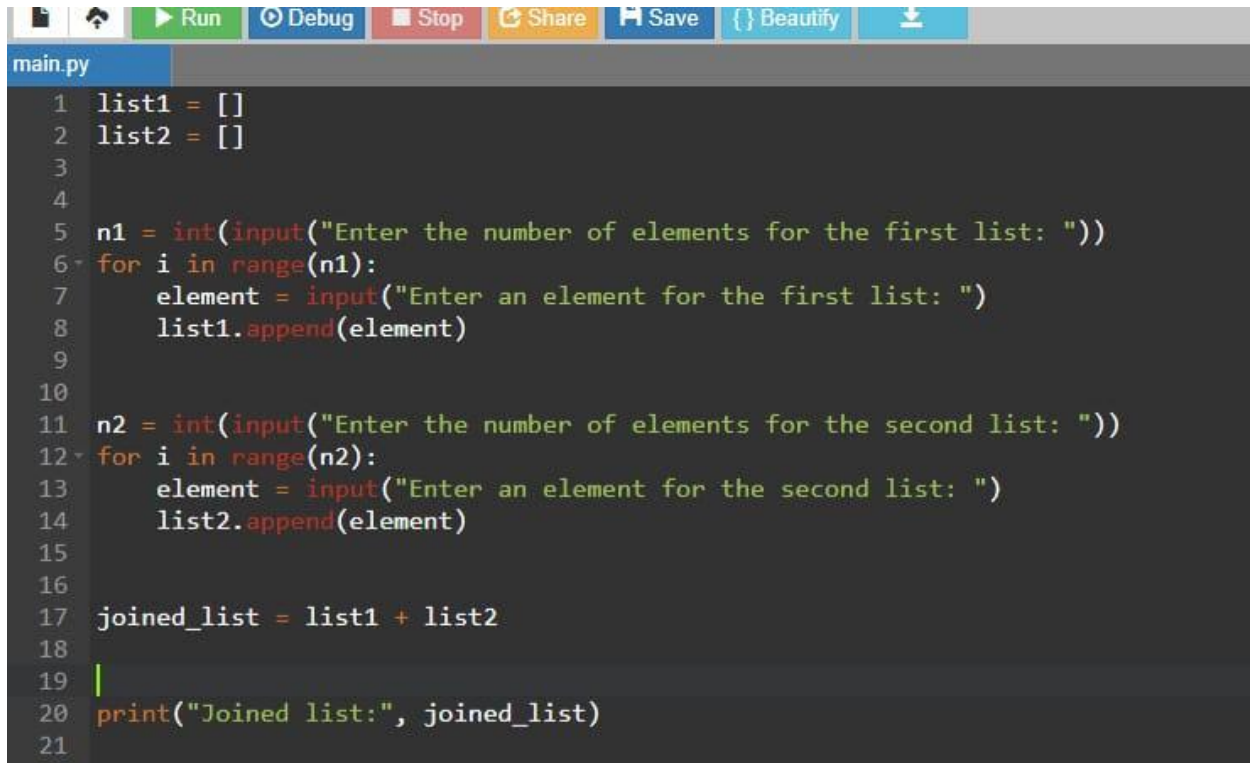


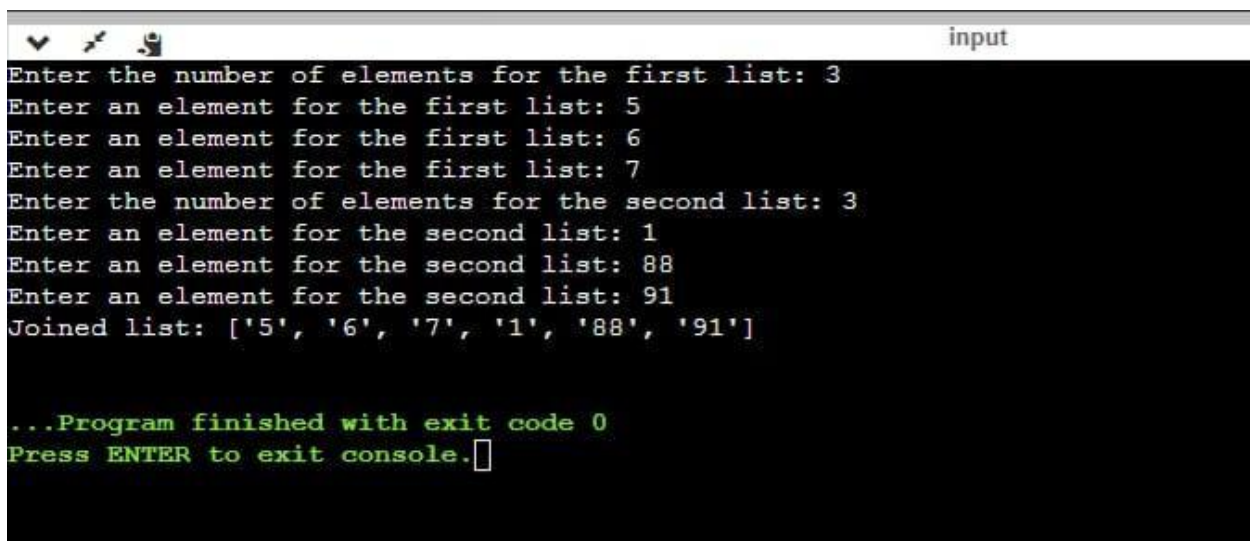
1.Create two list and join those two list

PROGRAM



```
main.py
1 list1 = []
2 list2 = []
3
4
5 n1 = int(input("Enter the number of elements for the first list: "))
6 for i in range(n1):
7     element = input("Enter an element for the first list: ")
8     list1.append(element)
9
10
11 n2 = int(input("Enter the number of elements for the second list: "))
12 for i in range(n2):
13     element = input("Enter an element for the second list: ")
14     list2.append(element)
15
16
17 joined_list = list1 + list2
18
19
20 print("Joined list:", joined_list)
21
```

OUTPUT



```
input
Enter the number of elements for the first list: 3
Enter an element for the first list: 5
Enter an element for the first list: 6
Enter an element for the first list: 7
Enter the number of elements for the second list: 3
Enter an element for the second list: 1
Enter an element for the second list: 88
Enter an element for the second list: 91
Joined list: ['5', '6', '7', '1', '88', '91']

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

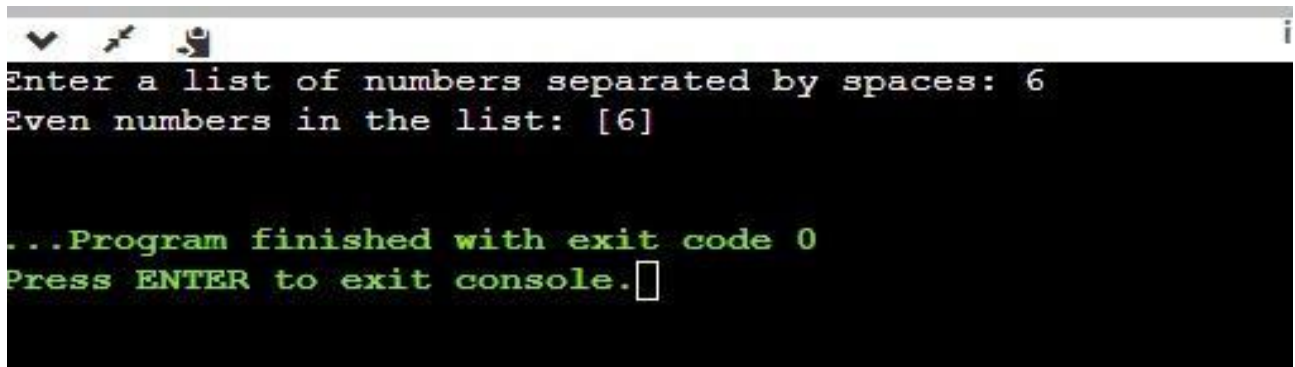
2. With If statement find the even numbers

PROGRAM

A screenshot of a code editor window. The title bar shows icons for file operations and a toolbar with buttons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. The file name is 'main.py'. The code is as follows:

```
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

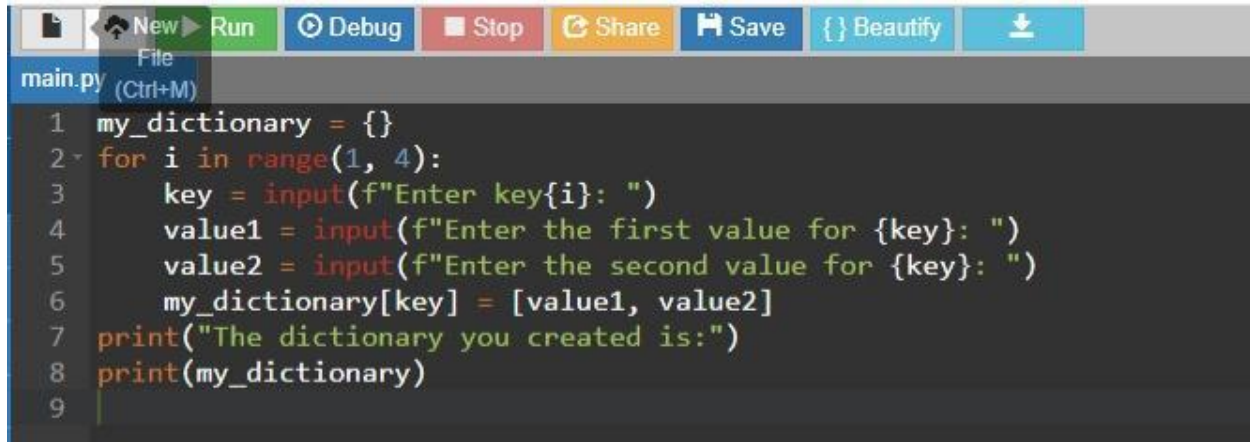
A screenshot of a terminal window. The prompt is 'Enter a list of numbers separated by spaces:'. The user has entered '6'. The output is 'Even numbers in the list: [6]'. Below this, it says '...Program finished with exit code 0' and 'Press ENTER to exit console.' with a cursor.

```
Enter a list of numbers separated by spaces: 6
Even numbers in the list: [6]

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

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

PROGRAM



```
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

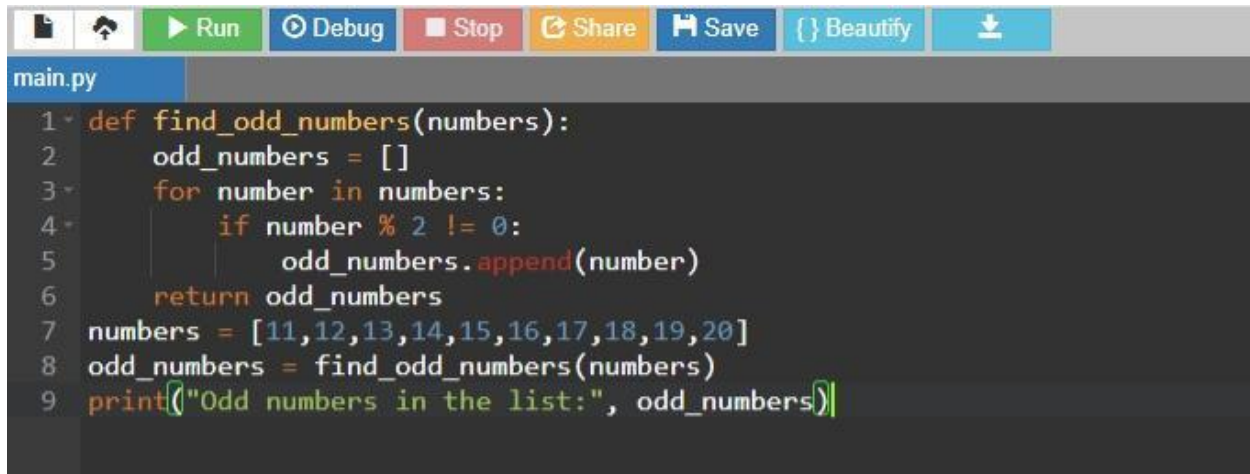


```
Enter key1: brand
Enter the first value for brand: bmw
Enter the second value for brand: bmw1
Enter key2: model
Enter the first value for model: model0
Enter the second value for model: model1
Enter key3: year
Enter the first value for year: 2003
Enter the second value for year: 2011
The dictionary you created is:
{'brand': ['bmw', 'bmw1'], 'model': ['model0', 'model1'], 'year': ['2003', '2011']}

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

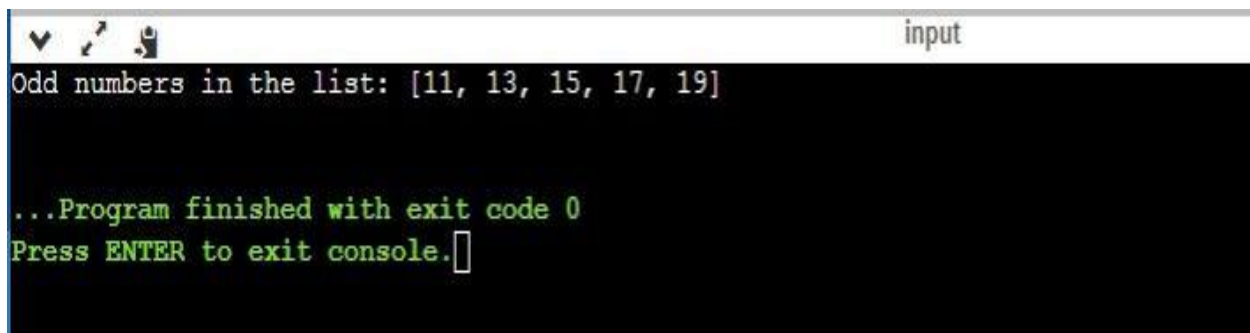
4. Create a function with If statement which is used to find the odd numbers

PROGRAM



```
main.py
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 = [11,12,13,14,15,16,17,18,19,20]
8 odd_numbers = find_odd_numbers(numbers)
9 print("Odd numbers in the list:", odd_numbers)
```

OUTPUT

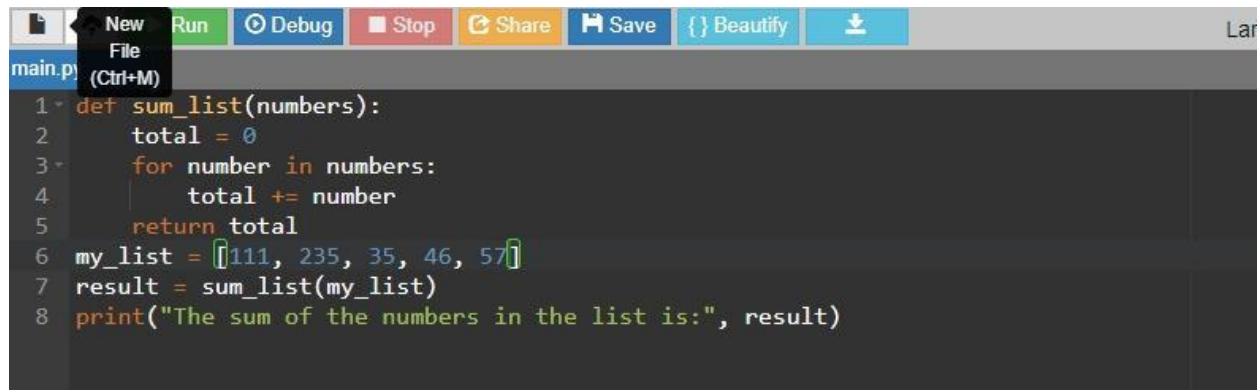


```
input
Odd numbers in the list: [11, 13, 15, 17, 19]

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

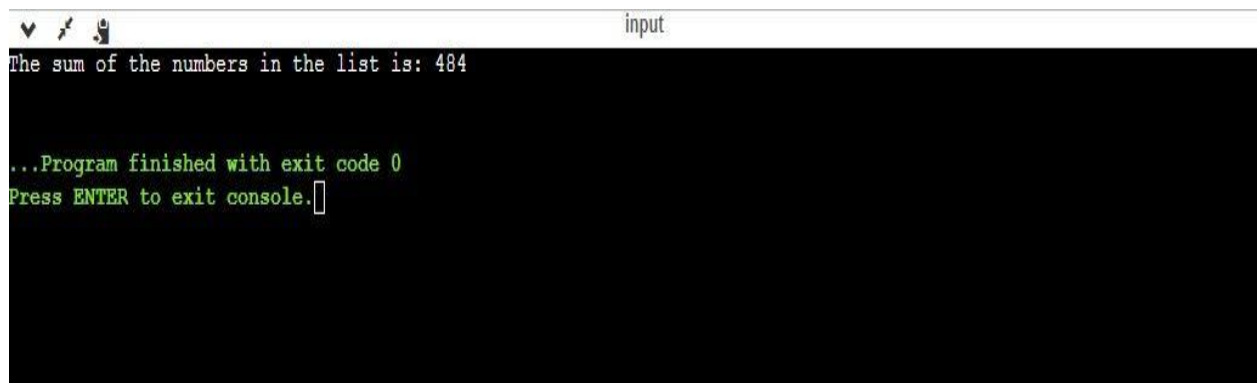
5. Write a Python function to sum all the numbers in a list.

PROGRAM

A screenshot of a code editor interface. At the top, there is a toolbar with buttons for 'New File', 'Run', 'Debug', 'Stop', 'Share', 'Save', 'Beautify', and a download icon. The 'New File' button is currently selected, showing a dropdown menu. Below the toolbar, the editor shows a file named 'main.py' with the following Python code:

```
1 def sum_list(numbers):  
2     total = 0  
3     for number in numbers:  
4         total += number  
5     return total  
6 my_list = [111, 235, 35, 46, 57]  
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. The title bar shows 'input'. The terminal output is as follows:

```
The sum of the numbers in the list is: 484  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```