

```
# Define two lists
list1 = [1, 2, 3]
list2 = [4, 5, 6]

# Join the two lists
joined_list = list1 + list2

# Print the joined list
print("Joined List:", joined_list)
```

➡ Joined List: [1, 2, 3, 4, 5, 6]

```
# Original list
original_list = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

# Create a new list to store the even numbers
even_numbers_list = []

# Iterate through the original list
for number in original_list:
    if number % 2 == 0: # Check if the number is even
        even_numbers_list.append(number)

# Print the new list containing even numbers
print("Original List:", original_list)
print("Even Numbers List:", even_numbers_list)
```

```
➞ Original List: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
   Even Numbers List: [2, 4, 6, 8, 10]
```

```
# Define a list of keys
keys = ['key1', 'key2', 'key3']

# Define a list of values, where each element is a tuple of two values
values = [('value1a', 'value1b'), ('value2a', 'value2b'), ('value3a', 'value3b')]

# Create a dictionary from the lists
my_dict = dict(zip(keys, values))

# Access and print the values in the dictionary
print("Dictionary Contents:")
for key, values in my_dict.items():
    print(f"{key}: {values[0]}, {values[1]}")

print('Whole Dictionary :',my_dict)
```

Dictionary Contents:
key1: value1a, value1b
key2: value2a, value2b
key3: value3a, value3b
Whole Dictionary : {'key1': ('value1a', 'value1b'), 'key2': ('value2a', 'value2b'), 'key3': ('value3a', 'value3b')}

```
# Original list
original_list = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

# Create a new list to store the odd numbers
odd_numbers_list = []

# Iterate through the original list
for number in original_list:
    if number % 2 != 0: # Check if the number is odd
        odd_numbers_list.append(number)

# Print the new list containing odd numbers
print("Original List:", original_list)
print("Odd Numbers List:", odd_numbers_list)
```

```
Original List: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
Odd Numbers List: [1, 3, 5, 7, 9]
```

```
# Define a list of numbers
numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

# Initialize a variable to store the sum
total_sum = 0

# Iterate through the list and add each number to the sum
for number in numbers:
    total_sum += number

# Print the sum of all values in the list
print("The sum of all values in the list is:", total_sum)
```

 The sum of all values in the list is: 55