

```
In [27]: a=[2,3,4,55,6,44,34,56,90,99]
b=[22,31,44,55,36,44,34,56,90,991]
c=a+b
print(c)
print("*****")
for num in c:

    if num % 2 == 0:

        print(num, end=" ")

[2, 3, 4, 55, 6, 44, 34, 56, 90, 99, 22, 31, 44, 55, 36, 44, 34, 56, 90, 991]
*****
2 4 6 44 34 56 90 22 44 36 44 34 56 90
```

```
In [28]: my_dictionary = {
    'key1': ['Hello', 'world'],
    'key2': ['Welcome', 'New Programming'],
    'key3': ['This is new', 'world']
}

# Accessing values
print("Values for key1:", my_dictionary['key1'])
print("Values for key2:", my_dictionary['key2'])
print("Values for key3:", my_dictionary['key3'])

Values for key1: ['Hello', 'world']
Values for key2: ['Welcome', 'New Programming']
Values for key3: ['This is new', 'world']
```

```
In [29]: def is_odd(number):
    if number % 2 != 0:
        return True
    else:
```

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Run Code

```
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Values for key1: ['Hello', 'world']
Values for key2: ['Welcome', 'New Programming']
Values for key3: ['This is new', 'world']
```

```
In [29]: def is_odd(number):
        if number % 2 != 0:
            return True
        else:
            return False

num = 7111
if is_odd(num):
    print(f"{num} is an odd number.")
else:
    print(f"{num} is not an odd number.")

7111 is an odd number.
```

```
In [30]: def sum_of_list(numbers):
        total = sum(numbers)
        return total

sample_list = [8, 2, 3, 0, 7]
result = sum_of_list(sample_list)
print("Sum of the numbers in the list:", result)
```

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```
values for key1: ['Hello', 'world']
values for key2: ['Welcome', 'New Programming']
values for key3: ['This is new', 'world']
```

```
In [29]: def is_odd(number):
          if number % 2 != 0:
              return True
          else:
              return False
          num = 7111
          if is_odd(num):
              print(f"{num} is an odd number.")
          else:
              print(f"{num} is not an odd number.")
```

7111 is an odd number.

```
In [30]: def sum_of_list(numbers):
          total = sum(numbers)
          return total

          sample_list = [8, 2, 3, 0, 7]
          result = sum_of_list(sample_list)
          print("Sum of the numbers in the list:", result)
```

Sum of the numbers in the list: 20

In [ ]:

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