

Given numbers = [1, 2, 3, 4, 5], use a for loop to print each number.

Print List Elements with Text:

```
numbers=[1,2,3,4,5]
for i in numbers:
    print(i)
```

Given fruits = ["apple", "banana", "cherry"], use a for loop to print:

I like apple

I like banana

I like cherry

```
fruits=["apple","banana","cherry"]
for i in fruits:
    print("I like",i)
```

Sum of List Elements:

Given nums = [10, 20, 30, 40], use a for loop to calculate and print the total sum.

Count Even Numbers

```
nums=[10,20,30,40]
total=0
for i in nums:
    total+=i
print(total)
```

Given numbers = [1, 2, 3, 4, 5, 6], use a for loop to count how many numbers are even.

```
numbers = [1, 2, 3, 4, 5, 6]
count=0
for i in numbers:
    if i%2==0:
        count+=1
print(count)
```

Find the Largest Number:

Given nums = [3, 7, 2, 8, 5], use a for loop to find and print the largest number.

```
nums=[3,7,2,8,5]
largest=0
for i in nums:
    if i>largest:
        largest=i
print("largest no is",largest)
```

Copy a List:

Given original = [5, 10, 15, 20], use a for loop to copy all elements into a new list.

Multiply Each Element by 2

```
original=[5, 10, 15, 20]
new=[]
for i in original:
    new.append(i*2)
print(new)
```

Given nums = [1, 2, 3, 4], use a for loop to create a new list where each number is doubled.

```
nums = [1, 2, 3, 4]
new=[]
for i in nums:
    new.append(i*2)
print(new)
```

Reverse a List (Using Loop):

Given words = ["hello", "world", "python"], use a for loop to print the elements in reverse order.

```
words = ["hello", "world", "python"]
new_list=[]
for i in range(len(words)-1,-1,-1):
    new_list.append(words[i])
print(new_list)
```

Find Words Starting with 'A':

Given words = ["apple", "banana", "avocado", "grape"], use a for loop to print only the words that start with "a".

```
words = ["apple", "banana", "avocado", "grape"]
new=[]
for i in words:
    if i[0].lower()=="a":
        new.append(i)
print(new)
```

Create a New List with Only Positive Numbers:

Given numbers = [-5, 10, -3, 7, -2, 8], use a for loop to create a new list containing only the positive numbers.

```
numbers = [-5, 10, -3, 7, -2, 8]
new=[]
for i in numbers:
    if i>0:
        new.append(i)
print(new)
```