

1. Print each character of a string

```
name=input("Enter the name:")  
for i in name:  
    print(i)
```

output: Enter the name:Nikhitha

N

i

k

h

i

t

h

a

2. Print all even numbers from a list.

```
numbers=[1,4,12,42,35,17,52,67,56]  
for i in numbers:  
    if i%2==0:  
        print(i)
```

output:

4

12

42

52

56

3. Calculate the sum of numbers in a tuple.

```
numbers=(2,5,8,9,12,14)  
sum=0  
for i in numbers:  
    sum+=i  
print(sum)
```

output: 50

4. Print names from a list of strings

```
List = [2,13,"nikki","sweety",True,"Hyd"]
for i in List:
    if type(i) == str:
        print(i)
```

output:

nikki

sweety

Hyd

5. Print square of numbers using range.

```
for i in range(2,11):
    print(i*i)
```

output:

4

9

16

25

36

49

64

81

100

6. Count vowels in a string.

```
name = input("Enter the string:")
vowel = 0
for char in name:
    if char in 'aeiou':
        vowel+=1
print(vowel)
```

output: Enter the string:nikhitha

7. Reverse a string using for loop.

```
name = input("Enter a string: ")
reverse_string = ""
```

```
for char in name:
```

```
    reverse_string = char + reverse_string
```

```
print("Reversed string:", reverse_string)
```

output: Enter a string: Nikhitha

Reversed string: ahtihkiN

8. Check if elements in list are positive.

```
List = [12,-21,41,56,-13,24,45]
```

```
for num in List:
```

```
    if num > 0:
```

```
        print(f"{num} is positive")
```

```
    elif num == 0:
```

```
        print(f"{num} is zero")
```

```
    else:
```

```
        print(f"{num} is negative")
```

output: 12 is positive

-21 is negative

41 is positive

56 is positive

-13 is negative

24 is positive

45 is positive

9. Print odd-indexed characters in a string.

```
name = input("Enter the string:")
```

```
for i in range(1,len(name),2):
```

```
    print(name[i])
```

output: Enter the string:Nikhitha

i

h

t

a

10. Print multiples of 3 using range.

```
for i in range(1,20):
```

```
    if i % 3 == 0:
```

```
        print(i)
```

output: 3

6

9

12

15

18

11. Find the product of numbers in a list.

```
numbers = [2,3,4,5,6,7]
```

```
product=1
```

```
for i in numbers:
```

```
    product*=i
```

```
print(product)
```

output: 5040

12. Count how many times a specific character appears in a string.

```
name = input("Enter the string:")
```

```
char_count = input("Enter the character to count: ")
```

```
count =0
```

```
for char in name:
```

```
    if char == char_count:
```

```
        count+=1
```

```
print(count)
```

output: Enter the string:Nikhitha

Enter the character to count: i

2

13. Print each element of a tuple with its index.

```
names = ("apple", "banana", "cherry", "date")
```

```
for i in range(len(names)):
```

```
    print("Index", i, ":", names[i])
```

output:

Index 0 : apple

Index 1 : banana

Index 2 : cherry

Index 3 : date

14. Print numbers from 10 to 1 using range.

```
for i in range(10,0,-1):
```

```
    print(i)
```

output: 10

9

8

7

6

5

4

3

2

1

15. Convert each string in a list to uppercase.

```
lis = ["apple", "blueberry", "cherry", "mango"]
```

```
for i in lis: print(i.upper())
```

output: APPLE

BLUEBERRY

CHERRY

MANGO