LOOPS:

1. Print each character of a string.

Ans:

```
a = "MANGO"
for i in a:
    print(i)
```

OUTPUT:

M

A

N

G

O

2. Print all even numbers from a list.

ANS:

```
list1 = [12,5,10,45,22,6,77]
for i in list1:
    if i % 2 == 0:
        print(i)
```

output:

12

10

22

6

3.Calculate the sum of numbers in a tuple.

ANS:
```
a = (1,4,5,6,7)
sum = 0
for i in a:
    sum += i
    print(sum)
```
OUTPUT:

1
5
10
16
23

4.Print names from a list of strings

```
snacks = ["bingo","cake","chocolates","lays"]
for i in snacks:
    print(i)
```
OUTPUT:

bingo

cake

chocolates

lays

5. Print square of numbers using range.

```
for num in range(1, 6):
    square = num ** 2
    print(square)
```
OUTPUT:

1

4

9

16

25

6. Count vowels in a string

```
name = "coders"
vowel = "aeiou"
vow_count = 0
for char in name:
    if char in vowel:
        vow_count += 1
print(vow_count)
```
OUTPUT: 2

7. Reverse a string using for loop.

```
name = "syamili"
rev = []
for i in name:
    rev = name[::-1]
print(rev)
```
output: ilimays

8. Check if elements in list are positive

```
list1= [12,4,5,-6,7]
for i in list1:
```

```python
    if i > 0:
        print(i," is positive")
    else:
        print(i,"Not positive")
```
Output:

12 is positive

4 is positive

5 is positive

-6 Not positive

7 is positive

9. Print odd-indexed characters in a string.

```python
name = "mounica"
for i in range(1,len(name),2):
    print(name[i])
```
output:

o

n

c

10. Print multiples of 3 using range.

```python
for num in range(1,21):
    if num % 3 == 0:
        print(num)
```
output:

3

6

9

12

15

18

11. Find the product of numbers in a list.

```python
list1 = [2,3,4,5]
prod = 1
for i in list1:
    prod *=  i
print(prod)
```
output: 120

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

```python
name = "protected"
char_f = 'e'
count = 0
for char in name:
    if char == char_f:
        count += 1
```

```
print(count)
```
output: 2

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

```
a = (1,2,"maya",10.2)
for i in range(len(a)):
    print("Index", i, "has element", a[i])
```
output:

Index 0 has element 1

Index 1 has element 2

Index 2 has element maya

Index 3 has element 10.2

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", "banana", "kiwi", "orange"]
for i in lis:
    print(i.upper())
```
output:

 APPLE

BANANA

KIWI

ORANGE