1. **Write a program that takes an integer 'n' as input and prints the sum of all even numbers from 1 to 'n' using a 'for' loop?**

```
n = int(input("Enter a number: "))
even_sum = 0
for i in range(1, n + 1):
    if i % 2 == 0:
        even_sum += i
print("The sum of all even numbers from 1 to", n, "is:", even_sum)
```

2. **write a program that takes an integer 'n' as input and prints the multiplication table of 'n' up to 10 using a for loop?**

```
n = int(input("Enter a number: "))
print(f"Multiplication table of {n}:")
for i in range(1, 11):
    result = n * i
    print(f"{n} x {i} = {result}")
```

3. **write a program that takes a string as input and prints the reverse of the string using a for loop?**

```
input_string = input("Enter a string: ")
reversed_string = ""
for char in range(len(input_string) - 1, -1, -1):
    reversed_string += input_string[char]
print("Reversed string:", reversed_string)
```

4. **write a program that takes a string as input and counts the number of vowels (a,e,i,o,u)in the string using a for loop?**

```
def count_vowels(input_string):
    vowels = 'aeiou'
    vowel_count = 0
    input_string = input_string.lower()
    for char in input_string:
        if char in vowels:
            vowel_count += 1
    return vowel_count
user_input = input("Enter a string: ")
print("Number of vowels:", count_vowels(user_input))
```

5. **write a program that takes an integer 'n' as input and prints the first 'n' numbers of the fibinocci series using a for loop?**

```
def fibonacci_series(n):
    a, b = 0, 1
    for _ in range(n):
        print(a, end=' ')
        a, b = b, a + b
    print()
```

```python
try:
    n = int(input("Enter the number of Fibonacci numbers to print: "))
    if n <= 0:
        print("Please enter a positive integer.")
    else:
        fibonacci_series(n)
except ValueError:
    print("Invalid input. Please enter an integer.")
```