Python Loops Tutorial
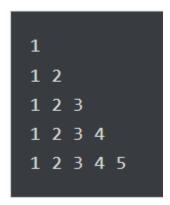
1. Print First 10 natural numbers using while loop.
2. Write a program to accept a number from a user and calculate the sum of all numbers from 1 to a given number.
3. Write a program to print multiplication table of a given number.
4. Write a program to display only those numbers from a list that satisfy the following conditions
   - The number must be divisible by five
   - If the number is greater than 150, then skip it and move to the next number
   - If the number is greater than 500, then stop the loop

   Given: `numbers = [12, 75, 150, 180, 145, 525, 50]`

5. Write a program to print the following number pattern using a loop.

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

6. Write a program to use for loop to print the following reverse number pattern

```
5 4 3 2 1
4 3 2 1
3 2 1
2 1
1
```

7. Reverse a given integer number

   Given: 76542

   Expected: 24567

8. Write a program to print the following start pattern using the for loop

```
*
*  *
*  *  *
*  *  *  *
*  *  *  *  *
*  *  *  *
*  *  *
*  *
*
```