

3. Python if else, for loop, and range() Exercises

Exercise 1: Print First 10 natural numbers using while loop

Exercise 2: Print the following pattern

Exercise 3: Calculate the sum of all numbers from 1 to a given number

Exercise 4: Write a program to print multiplication table of a given number

Exercise 5: Display numbers from a list using loop

Exercise 6: Count the total number of digits in a number

Exercise 7: Print the following pattern

Exercise 8: Print list in reverse order using a loop

Exercise 9: Display numbers from -10 to -1 using for loop

Exercise 10: Use else block to display a message “Done” after successful execution of for loop

Exercise 11: Write a program to display all prime numbers within a range

Exercise 12: Display Fibonacci series up to 10 terms

Exercise 13: Find the factorial of a given number

Exercise 14: Reverse a given integer number

Exercise 15: Use a loop to display elements from a given list present at odd index positions

Exercise 16: Calculate the cube of all numbers from 1 to a given number

Exercise 17: Find the sum of the series upto n terms

Exercise 18: Print the following pattern [Reverse of E-2]

E-2

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