

python

If else, for loop, range function

Exercises

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SIMPLEST EXERCISES

Print First 10 natural numbers using while loop

Accept number from user and calculate the sum of all number from 1 to a given number

Given a list, iterate it, and display numbers divisible by five, and if you find a number greater than 150, stop the loop iteration.

Given a number count the total number of digits in a number

Reverse the following list using for loop

Display numbers from -10 to -1 using for loop

Write a program to display all prime numbers within a range



SIMPLE EXERCISES

1

Display Fibonacci series up to 10 terms

2

Write a loop to find the factorial of any number

3

Reverse a given integer number

4

Use a loop to display elements from a given list that are present at even index positions

5

Display the cube of the number up to a given integer

6

Find the sum of the series $2 + 22 + 222 + 2222 + \dots + n$ terms



**Print the following
pattern**

5 4 3 2 1

4 3 2 1

3 2 1

1

Input: rows (for example: 5)

**Print the following
pattern**

1

23

4567

89123456

7891234567891234

Input: rows (for example: 5)



**Print the following
pattern**

```
1
2 6
3 7 10
4 8 11 13
5 9 12 14 15
```

Input: rows (for example: 5)

**Print the following
pattern**

```
1
2  4
7  11 16
22 29 37 46
56 67 79 92 106
```

Input: rows (for example: 5)

**Print the following
pattern**

```
1
3  2
4  5  6
10 9  8  7
11 12 13 14 15
```

Input: rows (for example: 5)

**Print the following
pattern**

1

12

123

3333

22222

111111

Input: rows (for example: 6)

**Print the following
pattern**

52624

5262

526

52

5

Input: one number (for example: 52624)

**Print the following
pattern**

```
1
12
123
1234
12345
123456
1234567
123456
12345
1234
123
12
1
```

Input: one number (for example: 7)

**Print the following
pattern**

1*

123*

12345*

1234567*

123456789*

1234567*

12345*

123*

1*

Input: one number (for example: 5)



Print the following pattern

```

                A
            A   B   A
        A   B   C   B   A
    A   B   C   D   C   B   A
A   B   C   D   E   D   C   B   A
```

Input: the number of letters (less than 26) , for example: 5