

# Python Assignment-1

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## Basic Programs

1. Simple interest
2. Calculator ✓
3. Area of circle ,triangle
4. Find maximum of 3 nos ✓
5. Check given no is even or odd ✓
6. Check given year is leap year or not ✓
7. Table of given no ✓
8. Factorial of given no ✓
9. Print counting from given start no to end no ✓
10. Check given no is prime no or not
11. fibonacci series
12. Pattern programs ✓
13. Number Pattern Semi-Pyramid
  - a. Pattern ✓

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

b. Pattern ✓

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

```

c. Pattern ✓

```
```num = 5
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
```

d. Pattern ✓

```
*\n* *\n* * *\n* * * *\n* * * * *
```

14. Python program to interchange first and last elements in a list ✓
15. Python program to swap two elements in a list
16. Python program to Swap elements in String list
17. Python | Ways to find length of list
18. Maximum of two numbers in Python
19. Python | Ways to check if element exists in list
20. Different ways to clear a list in Python
21. Python | Reversing a List
22. Python | Cloning or Copying a list
23. Python | Count occurrences of an element in a list
24. Python Program to find sum and average of List in Python
25. Python | Sum of number digits in List
26. Python | Multiply all numbers in the list
27. Python program to find smallest number in a list
28. Python program to find largest number in a list
29. Python program to find second largest number in a list
30. Python program to print even numbers in a list
31. Python program to print odd numbers in a List
32. Python program to print all even numbers in a range
33. Python program to print all odd numbers in a range
34. Python program to count Even and Odd numbers in a List
35. Python program to print positive numbers in a list
36. Python program to print negative numbers in a list
37. Python program to print all positive numbers in a range
38. Python program to print all negative numbers in a range
39. Python program to count positive and negative numbers in a list