1) Swap two numbers using 3rd variable

2) Swap two numbers without using 3rd variable

3) Remove duplicate elements from a list without converting to tuple

3) Write a program to find greatest common divisor (GCD) or highest common factor (HCF) of given two numbers

4) Write a loop to print following series

10, 20, 30, …………………, 300

5) Write a loop to print following series

105,98,91,………………………,7

6) Write a program to print number names of digits in a number like

SAMPLE INPUT 231 SAMPLE OUTPUT TWO THREE ONE

7) Write a program to print Fibonacci series till n terms take n =50

8) Write a program to print factorial of a number

9) Write a program to check if a number is Armstrong or not

10) Write a program to convert binary to decimal

11) Write a program to convert decimal to binary

12) Write a program to check if number is palindrome on not (Without converting to string)

13) Write a program to print all numbers which are divisible by 13 but not by 3 between 100 and 500

14) Write a Python program to convert temperatures to and from Celsius and Fahrenheit.

15) Write a Python program that takes two digits m (row) and n (column) as input and generates a two-dimensional array. The element value in the i-th row and j-th column of the array should be i\*j. else it will be 0

**16.**Write a Python program that accepts a string and calculates the number of digits and letters.  
Sample Data: Python 3.2  
Expected Output:   
Letters 6  
Digits 2

17) Print all possible combination for a string or a word

Sample input “ABC”

Sample output

BAC

CAB

CBA

ACB

BCA

18) Write a Python program to check if a triangle is equilateral, isosceles or scalene. Take 3 inputs for each side

Note :  
An equilateral triangle is a triangle in which all three sides are equal.  
A scalene triangle is a triangle that has three unequal sides.  
An isosceles triangle is a triangle with (at least) two equal sides.

19) Write a Python program to get the next day of a given date.  
Expected Output:

Input a year: 2016

Input a month [1-12]: 08

Input a day [1-31]: 23

The next date is [yyyy-mm-dd] 2016-8-24