Set 1

1. **Write a program to convert Fahrenheit to Celsius.**
2. **Write a program to swap two numbers without using a temporary variable.**
3. **Write a program to check whether a given key exists in a dictionary or not.**

Set 2

1. **Write a Program to check whether the given alphabet is a vowel or consonant.**
2. **Write a program to find the position of minimum and maximum elements of a list.**
3. **Write a program to find the factorial of a given number using recursion.**

Set 3

1. **Write a program to find the Sum and Average of the list.**
2. **Write a program to Extract Even and Odd numbers from a given list in Python**
3. **Write a program to print the Fibonacci sequence using recursion.**

Set 4

1. **Write a Program to check whether the given Year is a Leap Year or not.**
2. **Write a program to concatenate two lists index-wise.**

   input : list1 = ["M", "na", "i", "Abhi"]
   list2 = ["y", "me", "s", "Ram"]
   Output: ['My', 'name', 'is', 'AbhiRam']

3. **Write a program to find the GCD of two numbers using recursion.**

Set 5

1. **Write a program to Determine the Grade Based on Marks.**

Grade A: >=90	Grade B: >=80	Grade C: >=70	Grade D: >=60	Grade E: >=50	Otherwise: Failed

2. **Demonstrate the use of i) Logical Operators and v) Bitwise Operators with examples.**
3. **Write a program to reverse a string without using the Slicing Operator.**

Set 6

1. **Write a Python program to interchange first and last elements in a list.**
2. **Write a program to print even-length words in a string.**

   Input : I am raghu

   Output : am

3. **Write a Program to find the Area and Perimeter of a Rectangle.**

Set 7

1. **Write a program to find the largest element among three numbers.**
2. **Write a function to find the second-largest element in a list.**
3. **Write a program to find the speed when distance in kilometers and time in minutes are given.**

Set 8

1. **Demonstrate the use of i) Arithmetic Operators, ii) Relational Operators, and iii) Identity Operators.**
2. **Write a program to check whether a triangle is valid or not if sides are given.**
3. **Write a program to check whether a given string is a palindrome or not.**