1. Program to Calculate the Average of Numbers in a Given List
2. Program to Exchange the Values of Two Numbers Without Using a Temporary Variable
3. Program to Read a Number n and Compute n+nn+nnn
4. Program to Reverse a Given Number
5. Program to Check Whether a Number is Positive or Negative
6. Program to Take in the Marks of 5 Subjects and Display the Grade
7. Program to Print all Numbers in a Range Divisible by a Given Number
8. Program to Read Two Numbers and Print Their Quotient and Remainder
9. Program to Accept Three Digits and Print all Possible Combinations from the Digits
10. Program to Print Odd Numbers Within a Given Range
11. Program to Find the Sum of Digits in a Number
12. Program to Find the Smallest Divisor of an Integer
13. Program to Count the Number of Digits in a Number
14. Program to Check if a Number is a Palindrome
15. Program to Print all Integers that Aren't Divisible by Either 2 or 3 and Lie between 1 and 50.
16. Program to Read a Number n And Print the Series "1+2+…..+n= "
17. Program to Read a Number n and Print the Natural Numbers Summation Pattern
18. Program to Print an Identity Matrix
19. Program to Print an Inverted Star Pattern
20. Program to Read Print Prime Numbers in a Range using Sieve of Eratosthenes
21. Program to Check if a Date is Valid and Print the Incremented Date if it is
22. Program to Compute Simple Interest Given all the Required Values
23. Program to Check Whether a Given Year is a Leap Year
24. Program to Read Height in Centimeters and then Convert the Height to Feet and Inches
25. Program to Take the Temperature in Celsius and Convert it to Fahrenheit
26. Program to Compute Prime Factors of an Integer
27. Program to Generate all the Divisors of an Integer
28. Program to Print Table of a Given Number
29. Program to Print Sum of Negative Numbers, Positive Even Numbers and Positive Odd numbers in a List
30. Program to Print Largest Even and Largest Odd Number in a List
31. Program to Form an Integer that has the Number of Digits at Ten's Place and the Least Significant Digit of the Entered Integer at One's Place
32. Program to Find Those Numbers which are Divisible by 7 and Multiple of 5 in a Given Range of Numbers
33. Program to Check if a Number is an Armstrong Number
34. Program to Print the Pascal's triangle for n number of rows given by the user
35. Program to Check if a Number is a Perfect Number
36. Program to Check if a Number is a Strong Number
37. Program to Find the LCM of Two Numbers
38. Program to Find the GCD of Two Numbers
39. Program to Compute a Polynomial Equation given that the Coefficients of the Polynomial are stored in a List
40. Program to Check If Two Numbers are Amicable Numbers
41. Program to Find the Area of a Triangle Given All Three Sides
42. Program to Find the Gravitational Force Acting Between Two Objects
43. Program to Check if a Number is a Prime Number
44. Program to Print all the Prime Numbers within a Given Range
45. Program to Print Numbers in a Range (1,upper) Without Using any Loops
46. Program to Find the Sum of Sine Series
47. Program to Find the Sum of Cosine Series
48. Program to Find the Sum of First N Natural Numbers
49. Program to Find the Sum of the Series: 1 + 1/2 + 1/3 + ….. + 1/N
50. Program to Find the Sum of the Series: 1 + x^2/2 + x^3/3 + … x^n/n
51. Program to Compute the Value of Euler's Number e. Use the Formula: e = 1 + 1/1! + 1/2! + …… 1/n!
52. Program to Determine all Pythagorean Triplets in the Range
53. Program to Search the Number of Times a Particular Number Occurs in a List
54. Program to test Collatz Conjecture for a Given Number
55. Program to Count Set Bits in a Number
56. Program to Find Whether a Number is a Power of Two
57. Program to Clear the Rightmost Set Bit of a Number
58. Program to Generate Gray Codes using Recursion
59. Program to Convert Gray Code to Binary
60. Program to Convert Binary to Gray Code
61. Program to Find the Largest Number in a List
62. Program to Find the Second Largest Number in a List
63. Program to Put Even and Odd elements in a List into Two Different Lists
64. Program to Merge Two Lists and Sort it
65. Program to Sort the List According to the Second Element in Sublist
66. Program to Find the Second Largest Number in a List Using Bubble Sort
67. Program to Sort a List According to the Length of the Elements
68. Program to Find the Union of two Lists
69. Program to Find the Intersection of Two Lists
70. Program to Create a List of Tuples with the First Element as the Number and Second Element as the Square of the Number
71. Program to Find all Numbers in a Range which are Perfect Squares and Sum of all Digits in the Number is Less than 10
72. Program to Find the Cumulative Sum of a List where the ith Element is the Sum of the First i+1 Elements From The Original List
73. Program to Generate Random Numbers from 1 to 20 and Append Them to the List
74. program to Sort a List of Tuples in Increasing Order by the Last Element in Each Tuple
75. Program to Swap the First and Last Value of a List
76. Program to Remove the Duplicate Items from a List
77. Program to Read a List of Words and Return the Length of the Longest One
78. Program to Remove the ith Occurrence of the Given Word in a List where Words can Repeat
79. Program to Remove All Tuples in a List of Tuples with the USN Outside the Given Range
80. Program to solve Maximum Subarray Problem using Divide and Conquer
81. Program to solve Maximum Subarray Problem using Kadane’s Algorithm
82. Program to Find Element Occurring Odd Number of Times in a List
83. Program to Replace all Occurrences of ‘a’ with $ in a String
84. Program to Remove the nth Index Character from a Non-Empty String
85. Program to Detect if Two Strings are Anagrams
86. Program to Form a New String where the First Character and the Last Character have been Exchanged
87. Program to Count the Number of Vowels in a String
88. Program to Take in a String and Replace Every Blank Space with Hyphen
89. Program to Calculate the Length of a String Without Using a Library Function
90. Program to Remove the Characters of Odd Index Values in a String
91. Program to Calculate the Number of Words and the Number of Characters Present in a String
92. Program to Take in Two Strings and Display the Larger String without Using Built-in Functions
93. Program to Count Number of Lowercase Characters in a String
94. Program to Check if a String is a Palindrome or Not
95. Program to Calculate the Number of Upper Case Letters and Lower Case Letters in a String
96. Program to Check if a String is a Pangram or Not
97. Program to Accept a Hyphen Separated Sequence of Words as Input and Print the Words in a Hyphen-Separated Sequence after Sorting them Alphabetically
98. Program to Calculate the Number of Digits and Letters in a String
99. Program to Form a New String Made of the First 2 and Last 2 characters From a Given String
100. Program to Count the Occurrences of Each Word in a Given String Sentence
101. Program to Check if a Substring is Present in a Given String
102. Program to Print All Permutations of a String in Lexicographic Order without Recursion
103. Program to Print All Permutations of a String in Lexicographic Order using Recursion
104. Program to Add a Key-Value Pair to the Dictionary
105. Program to Concatenate Two Dictionaries Into One
106. Program to Check if a Given Key Exists in a Dictionary or Not
107. Program to Generate a Dictionary that Contains Numbers (between 1 and n) in the Form (x,x\*x).
108. Program to Sum All the Items in a Dictionary
109. Program to Multiply All the Items in a Dictionary
110. Program to Remove the Given Key from a Dictionary
111. Program to Form a Dictionary from an Object of a Class
112. Program to Map Two Lists into a Dictionary
113. Program to Count the Frequency of Words Appearing in a String Using a Dictionary
114. Program to Create a Dictionary with Key as First Character and Value as Words Starting with that Character
115. Program to Count the Number of Vowels Present in a String using Sets
116. Program to Check Common Letters in Two Input Strings
117. Program that Displays which Letters are in the First String but not in the Second
118. Program that Displays which Letters are Present in Both the Strings
119. Program that Displays which Letters are in the Two Strings but not in Both
120. Program to Determine Whether a Given Number is Even or Odd Recursively
121. Program to Determine How Many Times a Given Letter Occurs in a String Recursively
122. Program to Find the Fibonacci Series Using Recursion
123. Program to Find the Factorial of a Number Using Recursion
124. Program to Find the Sum of Elements in a List Recursively
125. Program to Find the Binary Equivalent of a Number Recursively
126. Program to Find the Sum of the Digits of the Number Recursively
127. Program to Find the LCM of Two Numbers Using Recursion
128. Program to Find the GCD of Two Numbers Using Recursion
129. Program to Find if a Number is Prime or Not Prime Using Recursion
130. Program to Find the Product of two Numbers Using Recursion
131. Program to Find the Power of a Number Using Recursion
132. Program to Check Whether a String is a Palindrome or not Using Recursion
133. Program to Reverse a String Using Recursion
134. Program to Flatten a Nested List using Recursion
135. Program to Find the Total Sum of a Nested List Using Recursion
136. Program to Find the Length of a List Using Recursion
137. Program to Find the Fibonacci Series without Using Recursion
138. Program to find the factorial of a number without recursion
139. Program to Flatten a List without using Recursion
140. Program to Reverse a String without using Recursion
141. Program to Find the Binary Equivalent of a Number without Using Recursion
142. Program to Find All Numbers which are Odd and Palindromes Between a Range of Numbers without using Recursion
143. Program to Find the Sum of Digits in a Number without Recursion
144. Program to Read the Contents of a File
145. Program to Count the Number of Words in a Text File
146. Program to Count the Number of Lines in a Text File
147. Program to Read a String from the User and Append it into a File
148. Program to Count the Occurrences of a Word in a Text File
149. Program to Copy the Contents of One File into Another
150. Program that Reads a Text File and Counts the Number of Times a Certain Letter Appears in the Text File
151. Program to Read a Text File and Print all the Numbers Present in the Text File
152. Program to Append the Contents of One File to Another File
153. Program to Count the Number of Blank Spaces in a Text File
154. Program to Read a File and Capitalize the First Letter of Every Word in the File
155. Program to Read the Contents of a File in Reverse Order
156. Program to Find the Area of a Rectangle Using Classes
157. Program to Append, Delete and Display Elements of a List Using Classes
158. Program to Create a Class and Compute the Area and the Perimeter of the Circle
159. Program to Create a Class which Performs Basic Calculator Operations
160. Program to Create a Class in which One Method Accepts a String from the User and Another Prints it
161. Program to Create a Class and Get All Possible Subsets from a Set of Distinct Integers