1. Write a program to print the prime factors of numbers in an array.
2. Write a program to decrypt input strings using an input shift value.
3. Write a program to accept a string and print its pig-Latin equivalent.
4. Write a program to input an array of any size, sort it using bubble sort technique and search for a particular value in the array using binary search technique.
5. Write a program to input a number and print its equivalent roman numeral.
6. Write a program to accept a date and count the number of days from 1st of January to the date entered.
7. Write a program to compute the fine for returning a book late to a library. Show the implementation of Inheritance.
8. Write a program to create a stack as an array, push, pop and display values in it.
9. Write a program to input a string, reverse it using recursive technique and check if it’s a palindrome.
10. Write a program to accept a number n and print the spiral form of a matrix from n2 to 1.
11. Write a program to create a queue as an array, insert, delete and display elements.
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18. Write a program to input 100 integers in an array, sort it using selection sort technique and print.
19. Write a program to input a birthday and print the day of the year.
20. Write a program to print a unique numbers in a range.
21. Write a program to create and abstract class Employee and a subclass Programmer to calculate salary. Implement the concept of inheritance.
22. Write a program to input two points with x and y coordinates and find the distance between them.
23. Write a program to find the difference in days between two dates.
24. Write a program to create a text file, store some lines of text and read from it.
25. Write a program to create a Double ended queue, method for insertion and deletion from both ends and a display method.
26. Write a program creating a super class Data and a subclass Process to print and count the words beginning with a vowel in a string.
27. Write a program to create a linked list implemented as a queue, insert, delete and display elements in it.
28. Write a program to create a binary file which stores the marks obtained by students, read and write from the file.
29. Write a program to find the saddle point of a matrix.
30. Write a program to print only the magic numbers in given array of any size.

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