

1. Given a text and a wildcard pattern, implement wildcard pattern matching algorithm that finds if wildcard pattern is matched with text. The matching should cover the entire text (not partial text).

The wildcard pattern can include the characters '?' and '*'

'?' – matches any single character

'*' – Matches any sequence of characters (including the empty sequence)

Example:

Text = "baaabab",

Pattern = "*****ba*****ab",

output : true

Pattern = "baaa?ab", output : true

Pattern = "ba*a?", output : true

Pattern = "a*ab", output : false

2. A number is said to be twisted prime if it is a prime number and reverse of the number is also a prime number.

Input : 97

Output : Twisted Prime Number

Explanation: 97 is a prime number
and its reverse 79 is also a prime
number.

3. Find the extra element and its index

Input : [10, 20, 30, 12, 5]
[10, 5, 30, 20]

Output : 12 is the extra element in array 1 at index 4

Input : [-1, 0, 3, 2]
[3, 4, 0, -1, 2]

Output : 4 is the extra element in array 3 at index 5

4. Sort the array elements in descending order according to their frequency of occurrence

Input : [2 2 3 4 5 12 2 3 3 3 12]

Output : 3 3 3 3 2 2 2 12 12 4 5

5. Print second frequently occurring number in given series

Example :

Input: 1 1 2 3 1 2 4

Output: 2

6. Print only numbers which is present in Fibonacci series (0 1 1 2 3 5 8)

Example:

Input: 2 10 4 8

Output: 2 8

Input: 1 10 6 8 13 21

Output: 1 8 13 21

7. Print pattern like this

Example:

Input: 1

Output: 0

Input: 2

Output:

0 0

0 1

1 0

1 1

Input: 3

Output:

0 0 0

0 0 1

0 1 0

0 1 1

1 0 0

1 0 1

1 1 0

1 1 1

8. Given an array, find the minimum of all the greater numbers for each element in the array.

Sample:

Array : {2, 3, 7, 1, 8, 5, 11}

Output:

{2>3, 3>5, 7>8, 1>2, 8>11, 5>7, 11>}

9. Find the largest sum contiguous sub array which should not have negative numbers. We have to print the sum and the corresponding array elements which brought up the sum.

Sample:

Array : {2, 7, 5, 1, 3, 2, 9, 7}

Output:

Sum : 14

Elements : 3, 2, 9

10. Given a string, we have to reverse the string without changing the position of punctuations and spaces.

Sample: house no : 123@ cbe

Output: ebc32 lo : nes@ uoh

11. Given a string, change the order of words in the string (last string should come first).

Should use RECURSION

Sample: one two three

Output : three two one

NibilaAmutha