The last ride together essay sample

Question 1:

Write a program to input a start limit S (S> 0) and the last limit L (L> 0). Print all the prime triplets between S and L (both inclusive), if S <= L otherwise your program should ask to re-enter the values of S and L again with a suitable error message.

Algorithm:

* Start

* To input the lower limit

* To input the upper limit

* To run the outer loop

* To run inner loop

* To calculate total number of prime numbers between lower and upper limits

* To declare array with it's number of elements as ' s'

* To run the outer loop

* To run the inner loop

* To store the prime numbers in array a[]

* To run a loop for every position of array a[]

* If condition matches for the number for prime triplets

* Continue till all Prime Triplets are printed

Question 2:

A unique digit integer is a positive integer (without leading zeros) with no duplicate digits. For example 7, 135, 214 are all unique digit integers

whereas 33, 3121, 300 are not. Given two positive integers m and n, where m

Algorithm:

* Start

* To input the starting limit

* To input the last limit

* To run the outer loop

* To store the value of ' i' as a string

* To run the inner loop

* To run a nested loop of the inner loop

* To check for repetition of any digit in the number

* To store all the unique digit integers in a string

* To store the frequency of unique digit integers

* To print the unique digit integers and their frequency

Question 3:

Write a program which inputs Natural numbers N and M followed by integer arrays A[ ] and B[ ], each consisting of N and M numbers of elements respectively. Sort the arrays A[ ] and B[ ] in Ascending order of magnitude. Use the sorted arrays A[ ] and B[ ] to generate a merged array C[ ] such that the elements of A[ ] and B[ ] appears in C[ ] in Ascending order without any duplicate elements. Sorting of array C[ ] is not allowed.

Algorithm:

* Start

* To enter the limit of first array (<21)

* To enter the limit of the second array (<21)

* To run a loop

* To enter the two arrays

* To sort the two arrays using bubble sort technique

* To copy the two arrays into a single array

* To sort the merged array using bubble sort technique

* To run a loop

* To print the elements of the i-th position

* To go to the next index of the next number

Question 4:

Write a program to input and store n integers (n > 0) in a single subscripted variable and print each number with their frequencies of existence. The output should contain number, asterisk symbol and its frequency and be displayed in separate lines.

Algorithm:

* Start

* To enter capacity

* To enter the numbers in an array

* To run outer loop

* To run inner loop

* To sort the numbers in the array

* To run outer loop

* To run inner loop

* To transfer the values of the array in another array

* To check frequency and print

Question 5:

Write a program to input an arithmetic expression in String form which contains only one operator between two numeric operands. Print the output in the form of number. (If more than one operators are present, an error output message " INVALID EXPRESSION" should appear).