SSS - **Saturday Sunday Specials**

Saturday Sunday Specials of **19 - 9 - 2020**.

Write functions for the following :

L1 , L2 are pointers to linked list of sorted (ascending order) numbers.

L3 is a pointer to linked list of numbers.

1. **union** function for L3 = union of L1 , L2
2. **intersection** function for L3 = intersection of L1 , L2
3. **diff** function for L3 = difference of L1 , L2

L1 , L2 are pointers to linked list of Unsorted numbers.

L3 is a pointer to linked list of numbers.

4. **u-union** function for L3 = union of L1 , L2
5. **u-intersection** unction for L3 = intersection of L1 , L2
6. **u-diff** function for L3 = difference of L1 , L2

The following sequence (cin>> , cout <<) is to be followed to pass test case.

First use the **create/insert** function to create linked lists L1 , L2 with given numbers termination of input is -1

(you have to read with cin>> till -1 for L1, and again you have to read with cin>> till -1 for L2)

L3 = union(L1 , L2) (union of L1 , L2 has to return L3)

Print all data values of L3 (you have to use cout<<)

L3 = intersection(L1 , L2) (intersection of L1 , L2 has to return L3)

Print all data values of L3 (you have to use cout<<)

L3 = diff(L1 , L2) (intersection of L1 , L2 has to return L3)

Print all data values of L3 (you have to use cout<<)

Again use the **create/insert** function to create linked lists L1 , L2 with given numbers termination of input is -1

(you have to read with cin>> till -1 for L1, and you have to read with cin>> till -1 for L2)

L3 = u-union(L1 , L2) (union of L1 , L2 has to return L3)

Print all data values of L3 (you have to use cout<<)

L3 = u-intersection(L1 , L2) (intersection of L1 , L2 has to return L3)

Print all data values of L3 (you have to use cout<<)

L3 = u -diff(L1 , L2) (intersection of L1 , L2 has to return L3)

Print all data values of L3 (you have to use cout<<)