Merge (1, R) m - length (L) + length (R) s - empty Array of size (m) 2-1, j=1, ek=1 for k-1 to m iflei = R[j] 3 (k) = L[i] else S[k] = R[j] J=1+1 Return S while (i = length (2) && j' = length (R.)) ? ; f (LLi] = R[j]) 3 [k] = L[i] i++ , k++ else 3[k] = R(8) 1++ , k ++

MIWIFS Merge Sort (A) n= length (A) if (n = 1) geturn A L = Mage Sort (A[1...floor(nb)] R= M exge Sort (A [floor(n/2)+1...m]) return merge (L,R) Treey Root -> no parent, ya 1 he. last node, leaf node god (1* Binary Tree . Each pade here max. 2 children null Tree is also binary Tree. (B) Binary Search Tree if x is a node in binary search tree, the en nodey on left side of x will be J. key L x. key and node y on nyht-side of x will be J. key & x. key

MTWTFS struct node node * left; node * right; left side Travers in 9 - Wight & six 12/14 con the In order _ LNR 2. Pre Order _ NLR LRN 1) Yosk Order by sint, float (t/pa). In Order (n) - not ka address, if not , well In Order (x.left) 3, 4,5,7, 10,12, 13 Print a key Inorder (x. Right)

MIWIES Dute:_ Pre Order (x) if (x + null) InCroler (x · left) Inorder (x right) Decid medice - Semi structured data dater mining > knowledge discovery Youtube Recommandation. Clustering classification, Support Vector Machine dependent of moder endent Data Frame - off whichle many