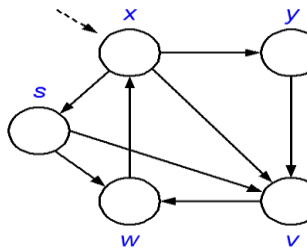


Some of questions .

- 1- Assume a B+ tree of 2 key , Insert 1,2,3,4,5,6,7.
- 2- Best cases and worst cases of B+ tree.
- 3- Types of indexes.
- 4- Assume a tree where each node can contain three pointers and 2 keys ,
Insert :1,2,3,4,5,6,7.
- 5- Sorting the following array by using merg sort,[10 , 5 , 6 , 3 , 8 , 2 , 4 , 7].
- 6- Solve the sorted problem when using insertion sort algorithm ,[20 , 12 , 4 , 3 , 8 , 2 , 14 , 17].
- 7- To search the (7) key in the array [9 , 1 , 5 , 8 , 7 , 13] using interpolation search algorithm .
- 8- In ----- algorithm sorting elements in place but in ----- algorithm no sorted in place .
- 9- Average case of quick sort ----- .
- 10- Types of graph.
- 11- How can represent the graph .
- 12- In the following graph using DFS for searching.



- 13- Applications of Breadth First Search.
- 14- The characteristics of an algorithm.
- 15- The Problem-solving Process .
- 16- What is an algorithm?
- 17- What is a program?
- 18- Attributes of Algorithms.
- 19- Kinds of analyses.
- 20- Fundamentals of the Analysis of Algorithm Efficiency.
- 21- Algorithm Facts .
- 22- How Do We Know Algorithm Works?
- 23- Dis advantages of Interpolation search algorithm .
- 24- Applications of Depth First Search.
- 25- Advantages - Jump Search .