Manan Thakkar

1. D) Abstract data types like stack and queue ensure their more efficient implementation
2. OUTPUT 🡪 “True”.
3. 8 3 1 6 5 7 10 14 13
4. B. The worst case running time complexity of the binary search algorithm is O(log N).
5. public void delete(E k){

if (isEmpty())

System.out.println("Tree Empty");

else if (search(k) == false)

System.out.println("Sorry "+ k +" is not present");

else {

root = delete(root, k);

System.out.println(k+ " deleted from the tree");

}

}