Question 1

Given a general Binary tree. for eg

```
        1

    /       \

    2       3

  / \   / \

 4   5   6   7

/ \

8 9
```
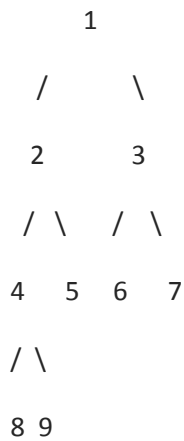
Write code to print the traversal: 8,9,4,5,6,7,2,3,1 .

Question 2

Given a list of arrival and departure times(as pairs) for train, sorted by the arrival times. Find the minimum number of platforms required.

Question 3

Find all the leaders in an Array. An array element is Leader if all the elements following it are lesser than or equal to it. e.g. Arr= {13,17,5,4,6,2} Output: 17,6,2

Question 4

A encoded/shortened string is given. You have to tell the element at kth position in the expanded string without actually expanding the string. In the encoded string if you find any number then the previously expanded string repeats that many times.

e.g. Encoded string : ab2ac3 k = 10 Expanded string : ababacababacababac Answer : a