Given an undirected graph, find the number of connected components. list out all these connected components.

Input : input.txt
   line 1:number of vertices(n) [numbered from 1 to n]
   line 2: number of edges(m)
   next m lines, an edge between nodes u and v
Output : output.txt
   1) Number of connected components(k)
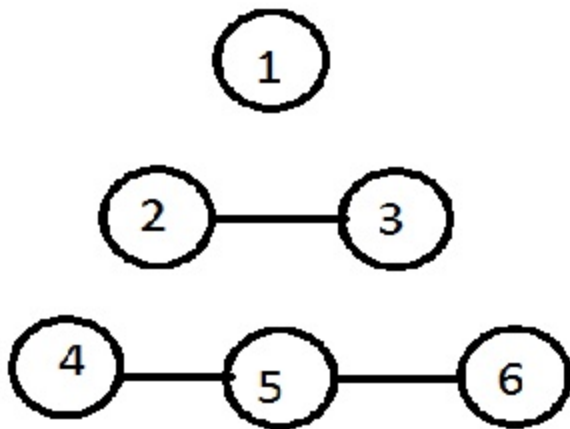   **next k lines, vertices of each component.**

Task :
use graph representation as
   1) adjacency matrix
   2) adjacency list

Sample Input:
   6
   3
   2 3
   4 5
   5 6

Output :   3[number of components]
   1
   2 3
   4 5 6