1. Given that $|E| \geq |V|$, this means that there must exist a cycle within graph G. The spanning tree T is a free tree with $V_T = V$ and $E_T \subseteq E$, this means there are at most V-1 edges within the spanning tree T. So, the graph G has at least one more edge than the spanning tree T, by putting the edge into the spanning tree T, a new cycle will definitely be formed within the tree, at this time, by taking out another edge of the cycle, a new spanning tree T_2 will be formed, and T_2 is distinct from spanning tree T. Hence, there exist at least two different spanning trees of G.