

Abstract

The basic idea of graphs was introduced in 18th century by the great Swiss mathematician Leonhard Euler. He used graphs to solve the famous Konigsberg bridges problem. German city of Konigsberg (now it is Russian Kaliningrad) was situated on the river, it had a park situated on the banks of the river and two islands mainland and islands were joined by seven bridges. A problem was whether it was possible to take a walk through the town in such a way as to cross over every bridge once and only once A graph is used of points (called vertices or nodes) connected by line (edges or arch). We look some kinds of graph theory in all its details such that null graph and trivial graph and simple graph and complete graph and cycle graph ...etc.and some applications of graph were introduced.