CN Lab Assignment 12

1. Implement distance vector routing protocol using C or C++.

   Input:

   Enter the number of nodes or routers in the network: 3

   Enter the weight or cost matrix:

   0   1   5

   1   0   2

   5   2   0

   Output:

   Final routing path for router 1:

   router 1 via 1 Distance 0
   router 2 via 2 Distance 1
   router 3 via 2 Distance 3

   Final routing path for router 2:

   router 1 via 1 Distance 1
   router 2 via 2 Distance 0
   router 3 via 3 Distance 3

   Final routing path for router 3:

   router 1 via 2 Distance 3
   router 2 via 2 Distance 2
   router 3 via 3 Distance 0

2. Implement link state routing protocol using C or C++. (Home Assignment)