Star topology: In star topology network nodes are joined to common control unit each node send information to control node(switch in my case) and control node search for destination(another computer on same network) and send data to it.

After receiving data destination acknowledges to sender through same controller.

In this arrangement as central control is there if one node fails it is not going to affect entire network but if central controller fails whole network will fail.



Ring Topology: In ring topology all nodes are connected in ring to each other .Token is circulated in ring and whoever wants to send data will send it through that token .Every node will check if data belongs to them or not if so it will receive it else it will pass it to next node .Every node chance to send data when it holds the token. If one node in ring topology fail , it may lead to failure of network.



Bus topology: In this topology node send data on common bus every node connected to that network will receive copy of that data and it will check if that data belongs to it or not if so it will receive it else it will reject it. If one node fails whole network won’t get affected and it’s easy to add more node

in topology and expand it without affecting network .But if common wire carrying signal fails whole network will sufer.  
