SUBAIR CALEB IBUKUN

17/SCI01/078

Good Day DR ABIOLA, How are you doing Ma? I hope you and your family are doing fine. Stay safe Ma and God bless you.

QUESTION: Explain the following Interconnection networks:

1.Torus

2.Hypercube Interconnection Network

**Torus Interconnection Network**

A torus interconnection is a switch-less network topology for connecting processing nodes in a parallel computer system. It can be of 4 types namely; 1-Dimentional torus, 2 dimensional torus, 3 dimensional torus and N-dimensional torus

**Hypercube Interconnection Network**

[Hypercube](https://en.m.wikipedia.org/wiki/Hypercube) networks are a type of [network topology](https://en.m.wikipedia.org/wiki/Network_topology) used to connect multiple [processors](https://en.m.wikipedia.org/wiki/Processors) with memory modules and accurately route data. Hypercube networks consist of 2m nodes. These nodes form the vertices of squares to create an internetwork connection