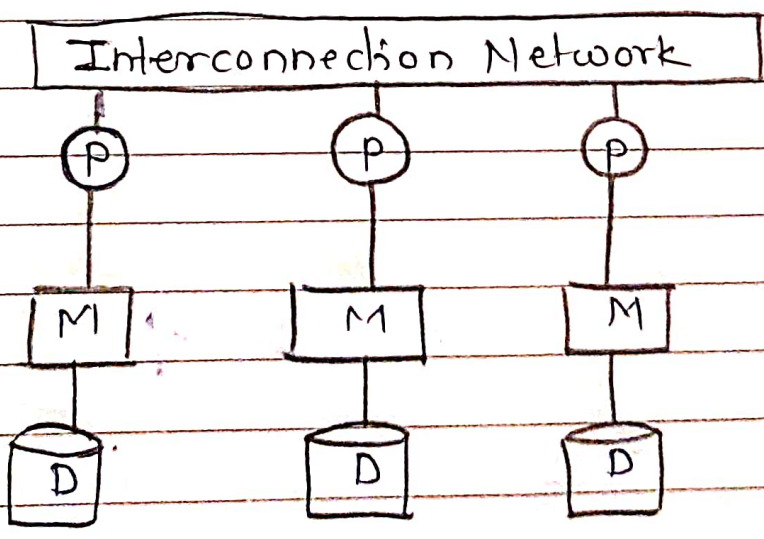


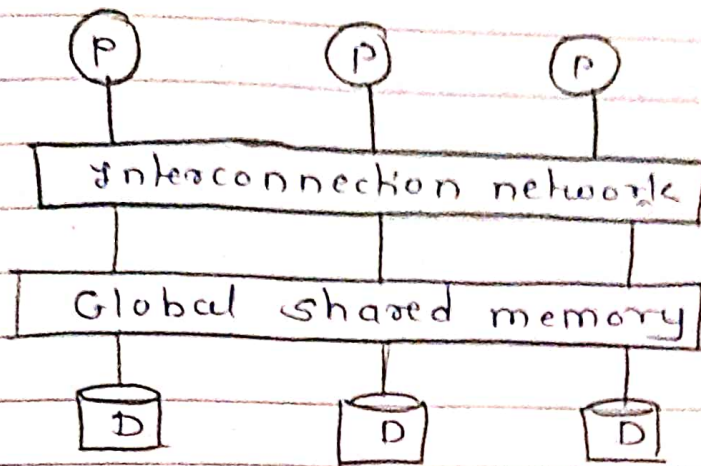
UNIT-5

Other Database

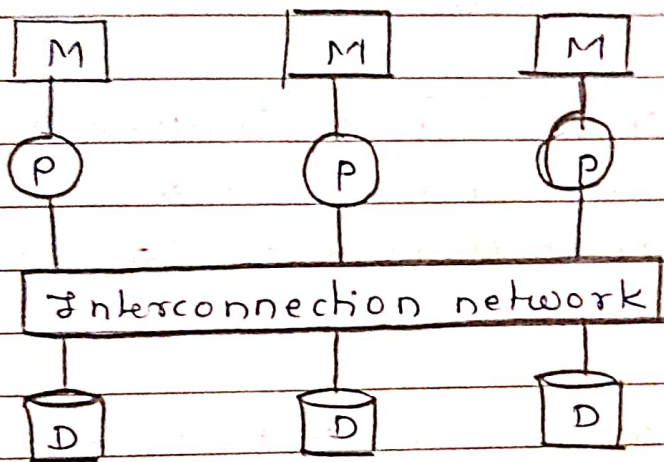
parallel Database:-
parallel Database have gained significant acceptance in the past two decades. For parallel load and scan of data sets, and finely parallel execution of query operations. Regarding to architecture, the basic motivation for moving towards a parallel architecture for a database, is to carry out query execution steps in parallel whenever possible. Three main architecture were proposed for parallel database based on what is shared between the network of CPU that are participating to form a distributed framework for a parallel database.



a. shared nothing



b. shared memory



c. shared Disk

Fig Architecture model for parallel database
 ⇒ MP Questions.

Q1) Characteristics of Bigdata:-

Bigdata characteristics in 4V

- 1) Volume - which implies size of data
- 2) Variety - which implies the diversity in the data format it refers to heterogeneous data sources and type of data, structure, unstructured, hybrid earlier spread sheets and the database where the only source of the data considered by most of application.

3) Velocity:- which implies the speed at which the data acquired or obtained.

The real potential of the data is determined based on the speed at which the data is generated and process to meet the demand

4) Veracity:- which denotes the validity of the acquired data

2) Different types of NoSQL

1) Document data store:- That supports key value type where each key is pair with the complex data structure is known as document and each document contain

2) Graph data store:- which use to store the information about data in the form of network such as social network etc

3) Key value store:- which are the simplest NoSQL database every single item in the database is stored in the form of key together with its value

4) Column store-

It is the another type of NoSQL that optimize the queries over the large data sets. This database store the information in the column oriented form

MMDB:-

Multimedia database collection multy media data that includes one or more primary media such as text, image, graphic object, animation sequence, audio, vedio, MMDB is the software system that manages different types of data represented in a wild diversity of formats on a wile array of media sources.

NOSQL Database:-

Nosql Database are scalable and provide superior performance and there data model addressess several issue ~~that~~ not supported by the relational model.

- 1) It supports for large volume of dinamically change in structure, semistructure and on structural data
- 2) It supports its schema iltheation and equent schema
- 3) It supports the object oriented data programming make a it is used and Plexible
- 4) It supports for geographically distributed schalable agriculture instructure are monobarticulture.