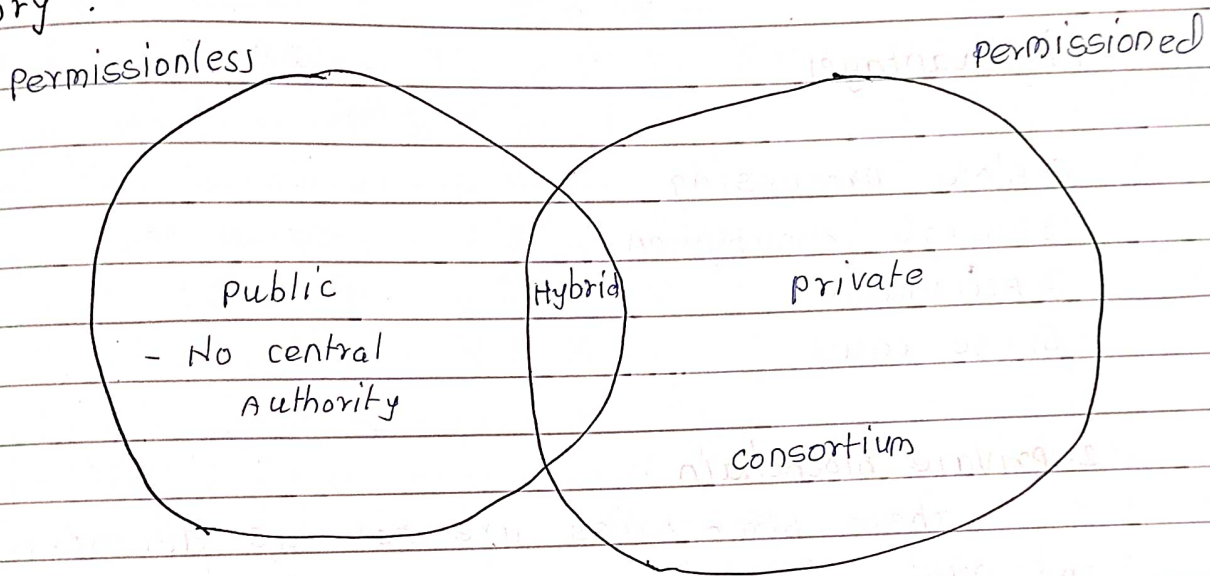


Experiment. No. 16

Title : write a survey report on types of Blockchains and its real time use cases.

objective : To learn new technology such as metamask & its applications & implementation.

Theory :



1. public blockchain:

These blockchains are completely open to following the idea of decentralization. They don't have any restriction as anyone having a computer and internet can participate in network.

As the name in public this blockchain is open to the public which means is not owned by anyone. Anyone having internet & a computer with a good hardware can participate in this public blockchain.

All the computers in the network hold by copy of other nodes or blocks present in network in this public blockchain, we can also perform verification of transactions or records.

Advantages :

- ① Trustable
- ② secure
- ③ Anonymous
- ④ decentralized

Disadvantages :

- ① slow processing
- ② Energy consumption
- ③ Acceptance
- ④ use cases

2. Private blockchain :

These blockchains are not as decentralized as the public blockchain only selected nodes can participate in the process making it more secure than others.

These are not as public blockchain

they are open to some authorized users only

These blockchains are operated in closed network.

In this few people are allowed to participate in network within a company / organization.

Advantages :

- ① speed high
- ② scalability
- ③ Privacy
- ④ Balanced

disadvantages

- ① security
- ② centralized
- ③ count

3. Hybrid Blockchain:

It is the mixed content of the private and public blockchain, where some part is controlled by some organization & other makes are made visible as a public blockchain.

It is a combination of both public and private blockchain.

User access information via smart contracts.

Every primary entity owns a hybrid blockchain it cannot alter the transaction.

Advantages :

- ① Ecosystem
- ② less cost
- ③ Architecture

Disadvantages

- ① Efficiency
- ② Transparency
- ③ Ecosystem

4. consortium Blockchain

It is a creative approach that solves the needs of the organization. This blockchain validates the transactions & also initiates or receive transactions.

Also known as Federated Blockchain.

This is an innovative method to solve the organization's need.

some part is public & some part is private
In this type, more than one organization manages the blockchain.

Advantages:

- ① Fast speed
- ② Authority
- ③ Privacy
- ④ flexible

Disadvantages:

- ① Transparency
- ② vulnerability
- ③ use cases

Conclusion:

Hence, we have studied types of blockchain and its applications in real time.