1. **What is MongoDB replication?**

Ans.

**Replication** - The process of synchronization of data across multiple servers is called as replication. The main advantage of replication is that Data is safe and can be recovered in case of failure of 1 server.

1. **What are some of NodeJs' features?**

Ans.

1. Asynchronous and Event Driven – The node.js server never waits for an API to return data. It moves to next API and the event driven mechanism will notify when the previous API completes its task.
2. Fast
3. Single Thread – Uses single thread and provide response in non-blocking way by using event driven mechanism. Thus, can handle large number of requests.

1. **What is MongoDB's database type?**

Ans.

MongoDB is NoSQL or Non-Relational Database. Data is stored in Documents in key, value form inside the collection unlike tabular format. Data can be unstructured.

1. **How does Node prevent code from being blocked?**

Ans.

Node uses Event Loop to avoid blocking of code. So node continue executing the main code and the process causing the delay is removed from the main stack and it process parallely. Once the process is done the callback function will return the desired output of the process.

1. **What exactly do you mean when you say "pure components"?**

Ans.

Pure Component does not depend or modify the state of variables which are outside its scope. In react Pure Component does not re render if the value and props updated with the same value.