**Company : We Career Connect**

**Location : Dubai**

**Date: 10/12/2024**

**Interviewer Name : Chandru**

### **C++ Frameworks & Libraries**

* What is a **framework** in C++? Which ones have you used in your work?
* Have you used **Qt** or **Poco**? If yes, what were the use cases?
* Which **libraries** have you used in your projects?

### **Design Patterns**

* What are **patterns** in C++? How many types exist?
* What is the **Observer Pattern**?
* What is the **Singleton Pattern**, and what is its use case?

### **Database Concepts**

* Have you worked with **databases**?
* Which **databases** have you used?
* What is **ORM (Object-Relational Mapping)** in databases?
* What is **Normalization**, and what are its use cases? What are the different types?
* What are different **SQL commands**?
* What are the different types of **Joins** in SQL?

### **Networking & Communication**

* What is a **WebSocket**? What is its use case?
* What is a **protocol**? Difference between **UDP** and **TCP**?
* What is a **socket**, and why do we need it?
* What is a **real-time application** of WebSockets?