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Telematics Interview Questions

Q1. What is Telematics?

Telematics is the field of study for information technology that deals with the long-distance transmission of computerized information. It enables information to be shared wirelessly.

Q2. What is telematics devices?

Telematics devices refer to an instrument that merges telecommunications and informatics. It installs into a car. It records information about your driving behavior, including how fast you drive, how fast you brake, and the distance you drive.

Q3. List some practical applications of vehicle telematics?

Some practical applications of vehicle telematics are as follows:

1.Trailer tracking

2.Container tracking

3.Fleet management

4.Telematics Standards

Q4. List some benefits of telematics in fleet management?

Some benefits of telematics in fleet management are as follows:

1.Increase Efficiency

2.Improve Safety

3.Reducing Operating Costs

4.Optimizing Vehicle Performance

5.Scheduling Alerts for Repair Centers

6.Streamlining Compliance

7.Ret

Q5. Can you tell top commercial Telematics companies in world?

Some of the top commercial Telematics companies in the world are as follows:

1.AirIQ

2.Fleetmatics Group

3.MiX Telematics

4.TomTom

5.Trimble

Q6. What is telematics box?

A telematics box is an electronic device fitted to a vehicle to record and monitor the driver's performance.

Q7. Please explian the functions of Data Link Layer?

The functions of the data link layer are as follows:

1. Framing

2. Physical Addressing

3. Flow Control

4. Error Control

5. Access Control

Q8. What is a Communication system?

A communications system is an integrated system of communications hardware specially designing to fulfill a specific goal like sharing of information.

Q9. What are the different types of hashing techniques you know?

There are typically two types of hashing techniques as follows:

1.Static Hashing

2.Dynamic Hashing

In static hashing, the hash function maps search-key values to a fixed set of locations.

In dynamic hashing, a hash table can grow to handle more items. The associated hash function must change as the table grows.

Q10. What is Sliding window protocol?

Sliding window protocol is a flow control protocol that allows the sender to send multiple frames before needing the acknowledgments. It involves sliding through the sender's window.

Q11. What is Ethernet?

Ethernet is the technology for connecting devices in a wired local area network or wide area network (WAN) that enables them to communicate with each other via a protocol. A protocol is a set of rules for the transmission of data.

Q12. What is dynamic memory allocation in OS?

Dynamic Memory allocation is an action of assigning the physical or the virtual memory address space to a process (its instructions and data). The dynamic memory allocation method assigns the memory to a process, during its execution that provides flexibility to the execution of the program.

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