"Few Questions"

Q.1 what is input and output stream in java?

⇒ A stream can be defined as a sequence of data. The input stream is used to read data from a source and output stream is used for writting data to a destinatio

Q.2 what are the methods of outputstream?

⇒ write() → writes the specified byte to the output strea
flush() → forces to write all data present in output stream to the destination.
close() → closes the output stream.

Q3 what is serialization in java?

⇒ Serialization is the process of converting an object into a stream of bytes to transfer it over a network or to store

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it in a file or database. Serialization is done by implementing serializable interface.

Q.4 What is the serializable interface in java?

⇒ The serializable interface is a marker interface that has no methods. It is used to mark classes that can be serialized, meaning their object instances can be converted into a stream of bytes.

Q.5 What is deserialization in java?

⇒ Deserialization is the process of converting a stream of bytes back into an object instance. This is done after an object has been serialized.

Q.6 How is serialization achieved in java?

⇒ Serialization is achieved by implementing serializable interface. When an object is serialized, its state is converted into a stream of bytes, which can then be transferred over a network or stored in a file or database.

Q.7 How is deserialization achieved in java?

⇒ Deserialization is achieved by reading a stream of bytes and using them to recreate original object instance. This is done by calling readObject method of an ObjectInputStream instance.

Q.8 How can you avoid certain member variables of class from getting serialized?

⇒ Mark member variables as static or transient and those member variables will no more be part of serialization.

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Q.9 what classes are available in java IO file classes API?

⇒ (1) File
(2) RandomAccessFile
(3) FileInputStream
(4) FileReader
(5) FileOutputStream
(6) FileWriter

Q.10 what is Difference between Externalizable and Serializable Interface?

⇒

Serializable	Externalizable
(1) Serializable is a marker interface it does not have any methods.	Externalizable is not a marker interface. It has methods called readExternal() and writeExternal().
(2) Serializable provides its own default serialization process, we just need to implement serializable interface.	Externalizable does not provide default serialization process we need to override writeExternal() and readExternal() method for serialization process to happen.
(3) In Serializable, constructor is not called during deserialization	In Externalizable, constructor is called during deserialization.