Questions and answers

1. What is a Buffer: **A buffer is data that is collected in chunks of 8bytes of 0s and 1s.**
2. How can we copy one buffer to another: **We can copy from one buffer to another by using the buffer.from() and the buffer.copy() functions. For example;**

**var buffer1=Buffer.from(“I am a student at seven academy”);**

**var buffer2=Buffer.copy(buffer1, 5);**

1. What are modules in Node.js: **modules are pieces of codes (classes) that are been exported from one JavaScript file. Node.js and imported in another JavaScript file in Node.Js to perform specific tasks.**
2. What is a stream in Node.js: **A stream is a data-handling method that reads chunks of data (buffers), processing its content without keeping it in memory.**
3. What is the difference between Synchronous and Asynchronous? **Synchronous is processing the first request before the next in their order of request, example, First come first serve, while asynchronous is any process can be processed before another. That is if the first process is taking a longer time than the second process, the results of the second is rendered before that of the first. Example, Shortest time possible.**
4. Fs.open is a synchronous method. True or false: **false**
5. What is the difference between a Duplex, Readable and Writable Streams: **A Duplex Stream is that to which can read and write data. A Readable Stream is that to which we can read data. While a Writable Stream is that to which we write data.**
6. List 4 events commonly fired when Using Streams: **error, data, end and finish.**
7. How do we connect one stream to another: **By piping.**
8. How do we open a file for “writing” only: **By Using fs.openWriteFile();**