**Instructions**: You must read the material and create an outline of the topics in your OWN words.  Do not copy the text from the tutorials into your notes. Make sure your outline contains notes for each subsection of the reading assignment. Thoroughly cover each topic to show you have a firm understanding of the programming concept or construct.

| **Ques** | **NOTES:** |
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| Java Files  Java Read Files  Java String split() Method  Checking for value presence in Java Array | This is a class containing source codes found under the java.io package which creates a platform to work with or create files and applications. It uses variety of methods like; canRead, canWrite, creatNewFile, delete, exists, getName, getAbsolutepath, length, list, and mkdir. All of which are a starting point to creating an application.  A file can be read using the java.io package with the file method. There is a clause or criterion involve in reading files, it depends version of java in use, files or line sizes involved and if you are reading bytes or characters. In all these, there are several classes (FileOutputStream, FileWriter, FileReader, Files, Scanner, BufferedReader, FileInputStream, BufferedWriter) available for use under java.  This method has two variants, but generally they split strings using provided delimiter to substrings. The later adds a limit to the expression code. The limit can also be a negative number, in this case would contain all substrings and trailing zero’s as well.  Java Array uses several ways to search or check for the presence of elements in it;   * Linear Search method: This search algorithm compares target element to every other element available in the array till it gets to the end or the target element has been found. * Binary Search method: This algorithm works by repeatedly dividing the array in half and searching the half where the targeted value is likely to be found. This is done repeatedly until value is found, it is more efficient than the linear search. * List.contains() method: This is to for checking out if a specified element is present in a list. It takes the element being searched for (parameter), which returns a true or false depending if the element was found or not. * Stream.anyMatch() method: A terminal method that takes a predicate (java functional interface used with streams) as argument and also returns a true or false (boolean) response if any element matching the predicate is found or not. |
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