Task 1:

Front-End: front-end focus on interface of website .It produce the layouts and design for websites.

Back-End: back-end focus on server side of website and technical skills to perform behind the scenes work .It more related of Database.

Task 2:

1. Array: Array is a collection of elements stores a contiguous memory locations. The elements are same type.
2. String: string is a data type and when implement it we considered it as array (stored a sequence of elements),we deal with it as the same as dealing array.
3. Linked List: It is a data structure stores a collection of data elements .The difference between it and array it is dynamic. It contain one or more nodes ,each node represent two fields (data and pointer for next node).
4. Hash Table: it a data structure stores data in a associative manners and the data stored in array format. Each value of data has unique index we access of it fast .

Task 3:

1.Sequential search: it simple search algorithm but increase time complexity .each item is checked and if a match is found particular item is returned ,otherwise the search continuous to end of data collection .

Task 4:

1. Binary Search : it is algorithm used in a stored array by dividing search interval in half .this algorithm reduce time complexity. When we use it ,we must order elements .