* Operations on Data Structure :-

The data stored in various data structure can be processed using various operations.

Operations on data structure :-

(i) Traversing :- Accessing each element exectly once, so that it can be processed.

(ii) Searching :- It means finding the position of a desired element in the data structure is known as searching.
   The data item may or may not be present in the list of data items.

(iii) Inseration :- Adding a new element into the datastructure is known as Inseration.

(IV) Deletion :- Removing an element from the data structure is known as deletion.

(V) <u>Copying</u> :- Creating a duplicate copy of a list is known as copy operation.

(VI) <u>Sorting</u> :- Arranging the elements in ascending / descending order is known as sorting.

(VII) <u>Splitting</u> :- Divide a single list into two or more lists is splitting operation.

(VIII) <u>Merging</u> :- Combining two or more lists into a single list is merging.

| 1 | 3 | | | 2 | 4 |

| 1 | 2 | 3 | 4 |