

* Assignment *

Q.1

Ans Program is in the zip with the name "Q1-insertion-sort-C".

Q.2

Ans. Function Pointer is a pointer is pointer that points to the address of a function, allowing the function to be called indirectly. It enables dynamic function calls, passing function as arguments, or storing them in arrays.

Sample program is in the zip file with the name "Q2-func-pointer-C".

Q.3 arrays are stored in contiguous memory

Ans. locations. This means that the elements of an array are placed one after another in sequential memory addresses.

The size of each element depends on its data type.

* Array Traversal Using Pointers:-

Since arrays are stored in contiguous memory, you can traverse them using pointers instead of array indices. An Array name is essentially a pointer to its first element. you can manipulate this pointer to access other elements in the array.