Assignment VI

1. What is pointer and explain its applications. Write a program that uses pointer to copy an array of double.

Ans: Pointer is the variable that holds address of another variable of same data type.

The application of pointer are explained below:-

* Pointer allow C to support dynamic memory management.
* Pointer reduce length and complexity of the programs.
* Pointer are more efficient in handling arrays and data tables.
* They increase the execution speed and thus reduce the program execution time.
* Pointer can be used to return multiple value from a function via function arguments.
* The use of pointer arrays to character string results in saving of data storage space in memory.
* Pointer permit reference to functions and thereby facilitating passing of functions as arguments to other functions.
* Pointer provide an efficient tool for manipulating dynamic data structure such as structures, linked list, queues, stacks and trees.

**Program that uses pointer to copy an array of double.**

#include<stdio.h>

#include<conio.h>