DataStructures :

Structures

- Collection of data members under one name is structure
- Data members can be of similar type or non similar type
- When structures is called in the main( ) program then it will consume space accordingly to the data members types it contains in the memory

An example of structure is a program of a rectangle

```
Struct Rectangle

{
        int length;
        int breath;

}

Int main( )

{

struct Rectangle r ;                    - Declaration

Struct Rectangle r = { 10, 5 } ;        - Declaration + Initialisation

r.length = 15 ;                         - . Is is used to access a member

r.breath = 10 ;


Printf( " Area of rectangle is %d" , r.length * r.breath ) ;  - Accessing the members

}
```

Use of structures :

Structures is used to combine data under one name , thus some example usage of structures is

- In Complex numbers
- In student details
- In Employee Details
- Bank Details etc
- Defining Shapes etc…