+ The typedet keyword allows the programmer to create a Typedef:

new datatype name for existing dutatype.

* No new doutaitype is produced but an alternate name is given to a known datatype.

* General Format:

typedet «existing dotatype > < new dotatype, ... >

* typedef statement does not occpy storage, 91 69mply defenes a new type.

* typedef statements can be placed anywhere in consgram as long as they come prior to their first use in the code.

* I language allows a programmer to rename dictatype using keyword typedet.

Estample:

typedef 9rst 9d_number; typedef float worght;

In the above example, Id-number to the new data type name gaven to dotatype Int, while weight to the now data - type name given to datatype float.

* Therefore the following statement Pd_number VPnay, homal, Jaspal;

weight apples, Pears, mangoes;

Mean that,

4 Vinay, hamal, Jaspal are Variable names that one declared to hold 'Int' datatype.

4) The new educatype 9d_number suggests that the data content of the Vortrable names Vanay, Kamal and Jappan

- age antegers and their adentatication number. * typedef makes the code more portable. Complex dataxtype like structure can use the typedof Keyword typedef struct point Pht X; Prity; 4 Dot; Dot left, right; shows the left and we right one the structure vortables of structure point When typedet is used to name a structure the structure name tag name to not necessary. typodef Struct float real; float Pmaginary; 4 Complex; complex u,V; In this 'u' and 'v' as complex numbers having a real post and an imaginary posit. Example program,: # andude x otdeo. h> typedef Pnt myPnt; Int maln ()

```
Pnt oc;
                                                        B
       myPnt y;
       typoder myant smallant;
       smallint Z;
       Printf ( "enter two Volue");
       Boanf (" %d &d", &x, &y);
       Z=octy;
       Printf(" our value io: o/d", x);
       getch();
      getuin o;
    output:
    enter two Values: 4, 2
    our Value 10: 6
otructure padding:
* Structure padding to a Concept in a that addo the
    one more empty bytes between the memory addresses to
    algon the data 9n momory
* Ruppose we create a user defined structure. When we
   create an object of this structure, then the contigious
   memory will be allocated to the structure member.
    Struct student
     Chan a;
     Chan b;
     Int C;
   y stul;
```