## Formatted Input & Output I Format for Integer Input: -Syntax % wd. Here 'd' is the conversion specification char for integer value and 'w' is an integer no. 90 specifying the maximum field width of input date. If the length of input is more than this max. field width then the values are not stored correctly -> Scanf (" % 2d % 3d 4, &a, &b); a) when input data length is less than or equal to given field width, the enpert values are unaltered and stored in given variables Output: -6 is stored in a and 394 is stored in b. b) when input length is more than the given field C=2 width, the input values are altered and stored clo in the variables as. Juput :- 269 3845 Output :-26 is stored in a and 9 will stored in b and rest input is ignored.

2) format for Jutger Output
Syntax % wd
Here 'w' is the integer no. specifying the field width of the output data. If the length of the variable is less than the specified with field width, the variable is right justified with
leading blanks.  > printf ( 4 a = 4.3d, b = %4d 4, a, b);  a) when the length of variable is less than  the width specifier
Jupert: - 78 9
output: - [a = 78, b = 9]
by when the length is equal  apput:-  263 1941  output:-  a = 263, b = 1941
the width specifier, then also the output is printed correctly.  Juput:
2691 19412 Output: - [a=2691,5=19412]

3) Format for floating point Numeric Input Syntan: -1. wx. Here 'w' is total width (including the digits before and after decemal and the decemal itself) > scare ( "7.3+ %4 , 2x, 2y); a) when the input data length is less than or equal to the given width, values are unaltered and stored in the variables Input: -5 5-92 Output: -5.0 is stored in x and 5.92 in y. b) when Input data length is more than the given width, the entered values are altered and store in the given variables Input: - 5.93 65.875 output :-5.9 is stored in x and 3.00 in y.

4) Format for floating point Numeric output Syntax: 90 wonf Here wis integer no specifying the total width of the input data and n is the no. of digits to be printed after decimal points. By default 6 digits are printed after decimal. → printf ("x= %4.1f, y= %7.26 ", x,y); If the Total length of the variable is less than the specified width w, then the Value is right justified with leading blanks If the no. of digit after decimal is more than n, the digits are rounded off. 1635.92 15.231 65.875948

format for string & Input Here w is total no of char that will be stored in the skring char str[8]; -> Scarf (4%384, str); Input: -Srivastava Only first three char of this input will be stored in the string 151, 12, 12, 10 The Null character '10' is automatically stored at the end. 6) Format for string Output 1, wns Here wis width, Decimal point and n are optional. It present then n specifies that only first n char of the string will be displayed and (w-n) leading blanks are displayed before string 1) printf ("%384, "SureshKumar"); Is uresh Kumar



