LECTURE - 31

POINTERS IN C (PART 01)

PROGRAMMING IN C

L> A variable that stores the address of other variable. int x; 2 = Address of JC = 25; Sperator 25 pintf ("%, x); Scanf () Stanf ("%1", & var) pintf ("2d", &x) int value the address? RAM

moin (thi. a= 100; € int address of a = roma Variable Koomy Size. 0000 16 000] 0010 0011 8 0 100 8 0101 A rame i.e. 4 bits 0110 1 0 111 => The address Size and Size of Dataty be may different 1010

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|----------------|----------------|---------------|----------------|-------|
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| | double | Jong Dadle | double | |
| | 1 nt | dong | olo 1 Jong | |
| | 0110 | char | loo o Chork | |
| V L . 1 | 1001 double | 1010 Aloct | jn- | |
| 3 yte | E | wilding. | k 11 | Je Be |
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Thats why we don't save the address into a normal bariable. La 70 Store the address of a variable, we use pointers. 7 Address of value at address are different things. Syntax to declare define pointer Voirable;

datatype * Variable Name; // declaration address of datatype * Variable Name = & another Variable;

Derefrentiation Operator: Also Called cus Value at operator.

4 Acres the value present inside the pointer. int m = 250; 250 -a=101 int * a= & m; printf ("%d", m); - *a= Valued (101) printf ("%d", *a); *a= & m *a = * &m -> value of Goldsen of 'm!



