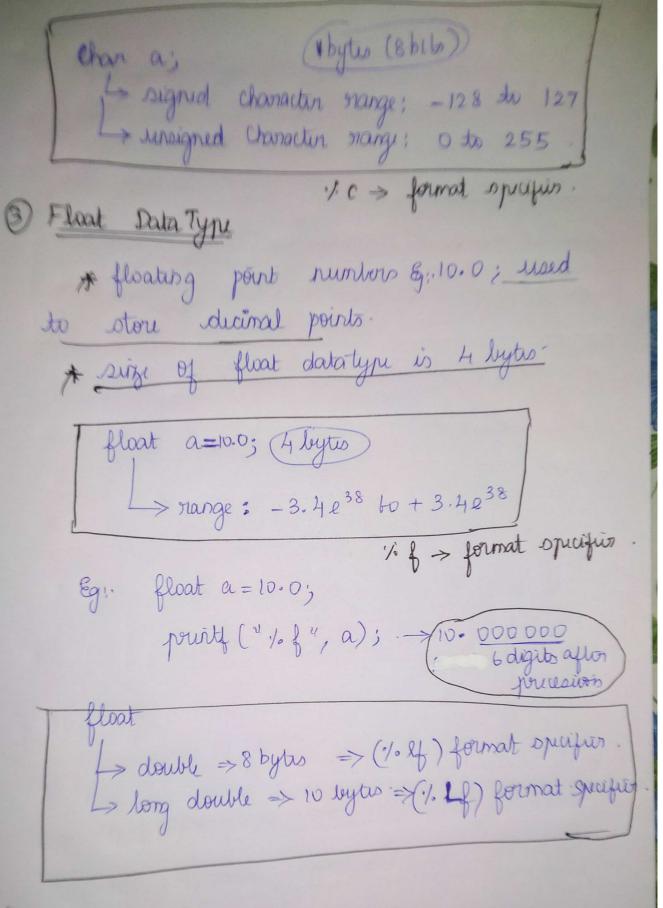
C_10 > Data Types in C - Part 1 * Computer will reserve a space in the memory based on the reed of data memory based on the reed in memory? * How much space we reed in memory? * How much space we reed in memory? * To depends on type of data we store.

Data Types! # It tells how much storage | memory & le allocated to a variable Data Typus Vsvi defined Derived Primary > type dy LAvray Sirt Somm. Stricture > float Enumerated > Union > Chan Datatype L-pointers > double typidy it jay jenny a; Primcoy Data Typus! 1 Intigur: int Short int long int Short int long int > Size modifiers or qualifiers Signed > Sign modifier or qualifier unsigned 1

A sixe of inligur depends upto the maching the 16 bit on 32 bit. (2 bytes) 16 but Machine: (int) Range of signed integer: -32768 to 32767 * Range of uneigned integer: 0 to 65535 1.d > format specifier. 32 bit Machine: * Range of signed integer: -2147483648 to 2147483647 To find sirge of integer in machini. * We have predifined function, size of () [points (" /. lu, sige of (int)); * But Generally, size of int is 2 bytes.) * If number is short or long; according to that memory is allocated in memory, so me declare short int, long int Short int (+ byte) size of int Eg 1. -> depends on int (2bytes) machine long int (4 by lis)

* Example; 2618 memory RAM 161B = 1024 H 298 = 2/1024 ×102 4×1024 × 8 IMB = 1024 kg 1 KB = 1024 by 26B =>(2×1024×1024×1024×8) bib 18yte = 8 bis Total bils Within this total bits only we can store values; where value depends on type of data size. * Check values one valid for 16 bit machine: (Signed) -250 M 49442 * 15053 -31.8 * +2100~ 88888888 0 0 exceeds. 32767 2 Character Data Types: * sign of character datatype is 1 byte(8 bits) Chan a; keyword



iterals

* These are constants. In ANSI, alphabets with lower case and upper case, symbols have constant values called literals.

Eg: 'A' >65.