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* Data Types & variables int a=5; ; char ch = 'a'; 1 - value Date type variable Size (byte) Data Type 4 12 int Bhort 4 * Locat char 1 0001 1 8 double long 8 Variable Name Don't Hart with number and special character except '_' * size of (): int a: 2, int size = size of (a); cont < c size < ends; -> 4. * How data is Chored 9 int a=8; -> binary 2 nore 42 byres & & &

in Ascii table 4:65 a=97 * Type casting: int a: 'a'; cont << a << endl; Implicit Pexplicit Automatic forcefully. * How -ve number store! first bit =0 -+ ve = 1 -> -ve steps: -s 4 (1) ignore -ve sign. @ convert into binary 3 Take 21s complement 6 b take 1's comp 2 Add 1 is combi it we just do 194 bit =0 then the = 1 then -ve and rest bit determine number then for 0 we have 2 representation. 0000 10000 to some that a representation we do 2's comp.

* signed unsigned default unsigned int a= 2 unsigned int a=- 2 gives very big number. * operator: \rightarrow Asith matic +, -, 0/0, /, * - logical 11, 28, 1 -) bitwice >>, << -> Assignment +=, -=, *=, -, /= -, pelational >, <, >, \ , 25 , 12 -> Ternary condition 9 Answer 2 : Answer 2 true Jalse