4 1 1	(Video 10) Fundamental Datatype - Floot, Double om a long Double
	Outline: exaposant pribably not nothernally supples
	-> Flood, Double and Long Double, size and difference
	> Flood, Double and Long Double, size and difference > Brief antho to fixed and flooting point
The second second second	> Codingo exampléin soldoliors sons sur tel
	Float, Double, Long Double -> represents fractional number
	3.14, 0.648, -3267.0696,
	1x3 (M. 0-000000000 etc.
	Minimum Volue = -9.99
	Front > 32 bit -> 4 byte 32 There size typically
	Double > 64 bit > 8 yte /64 depender from
	Float > 32 bit > 4 byte 32 There size typically Double > 64 bit > 8 byte 64 depender from Long Double > 36 bit - 12 byte system to system.
	emmanus de desce
	Double → LEEE 754 Double Precision Floating Point
	Double -> LEEE 754 Double Precision Floating Point
	Long Double > Extended Precision Floating Point.

(Video10) Fundamental Dortatype - Flood, Double and Ung Double 2 type representation for theating Fractions. Fixed Point Floating Point let me one avoilable with 4 places Sign Fraction exponent monting Integer of 800 FORE- SFD & FORE - SFD & FORE - SFD & Bare sto co Formula: (o.M) * Bare Expo Minimum Value = -9.99 Maximum Value 3 +9.99 10 = tid 28 (700) × 10 to max value: + (0.9) × 10 t any numbers inbeth of 8 6 + this range to possible - tid Huga tranger First > 16EF 759 Single Precision Floating Print Double - LECE 759 Double Precision Floating Point Long boulde & Extended Precision Floating Point.

include <stdio. h> Catalott's malari le int main () 3 () alway had float van1 = 3.1415926535897932; mits proceeds double van2 = 3.1915926535207932; long double van3 = 3.141592653589793213456; printf ("of %d \n", size of (float)); [4. printf (4%d in 4, size of (double)); 8 byte printf (wolod mn, size of (long double)) [12 byte prints (4 % % 16f \n m, var 1); pnintf ("%:16/fm, van2)in thing printf ("%.21 Lf \m", van3); 0'000000 Float > 7 digits Double > 16 digits Long Double > 19 digits

(if nobbe abalait to # include (stdso. h) int main () (1001) void : 3 141832698889932) int vant = 4/0 ; Baiples - Shore Ideah printf (wo of Jon , van 1); John ((book) lossie " " of 5 2 go" this Gre John 2 = (4/9) > 2 for integer 79 20 for si-printf ("ox of m", vanz) i [0.00] out zy zm. - prints (%) 2 from " (vans) 300 1 print of (of 21 ft /m", vans); Elout > Adigids [D. [] [] [] [] Double -> 16 digits boing the court of [ony Double > 10 digits