Number System

Decimal	Bivary	Octol	Hensdermal
0	0	0	0
1	1	1	
2	10	2	2
3	V. 11 11 11 11 11	3	3
9	100	1	9
5	101	5	5
6	11.0	6	6
7	111	7	7
8	1000	10	8
9	1001	1)	9
02410	1010	12	and Adaptor
11	1011	13	9
12	1100	14	e - (3/16) 1)
13	nol	15	D
19	1110	16	B .
15	· · Cini	17-15-	TOP .
16	10000	20	10

$$\frac{11001}{2^{4}2^{3}2^{2}2120}$$

$$\frac{1\times2^{4}+1\times2^{3}+0\times2^{2}+0\times2^{1}}{1\times2^{0}}$$

Complor de Interpreter

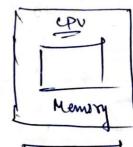
- 1. Check error (byte vide = errorfree vide)
- 2. Converts into machine water
- 3. Execution

* C++ - Compiler language.

· Check error -> first rene --> RUN of compiler

(first : cpp) -> tomouslation -- one
time

* Java script - Interpreter braned language



9 Worpular III III, S.

o chelle eraror

It mu enewer your program to line 5th

ox Every line - torans lation takes place.

Hybrid language - tena, C#

Josepher

byte vide

JUM - guterpreter.

Maune cae

+

Execution

Derived

Primitive

User

Lephned

Arrany

Antegral boot floating

Points

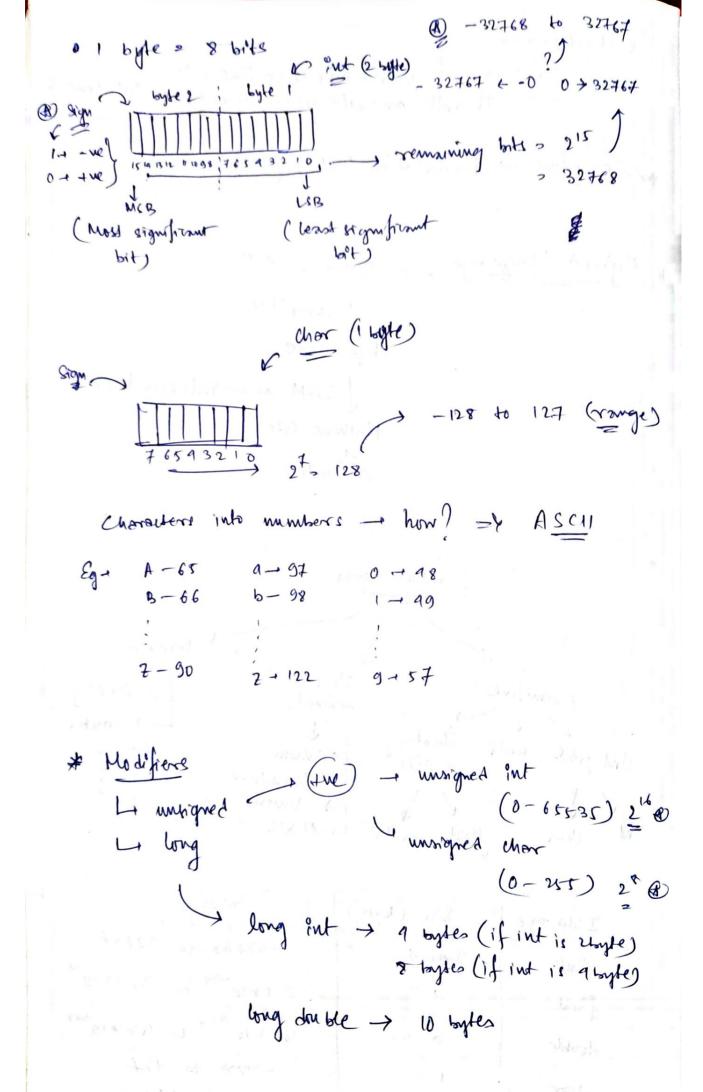
Chum

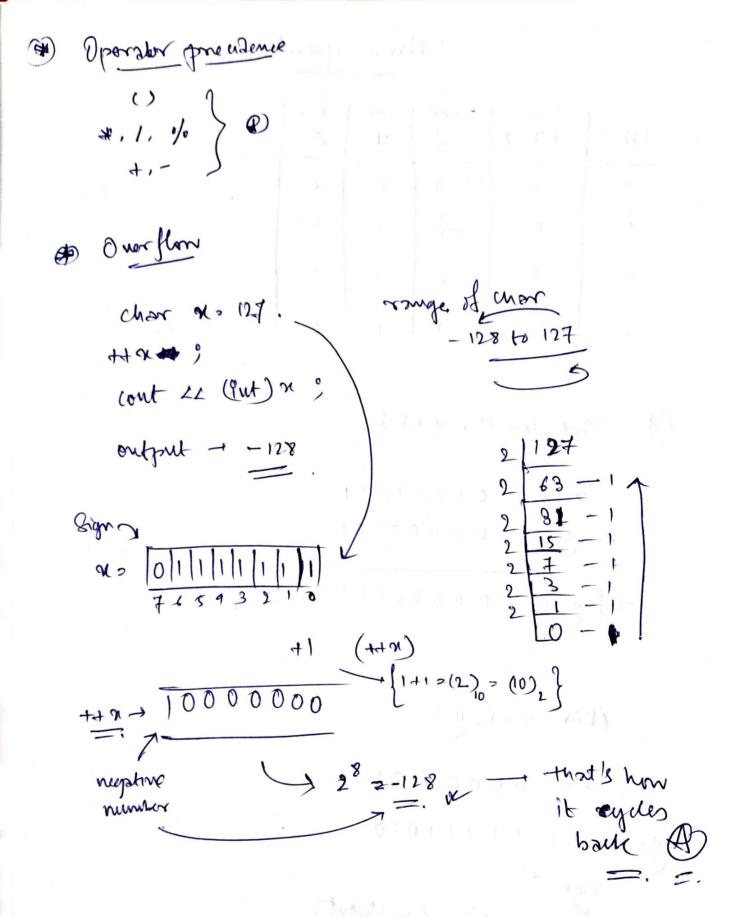
Strutture

Strutture

That char float druke Licars

Data type	Size (byte)	Romaje
9 mt	201 1	-32768 to 32767
flo at	A	-3,1×10-38 to 3,4×1038
double	8	-107 × 10-308 to 107 × 10308
char	1	-128 to 127
Ind	undefined	true/false





Bitmise	operator
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Pst 1	bilt 2	omd 4	or	×0~	1.2 \
0	0	0	0	0	,
1 -	0	O)	1	
O	1	0	1	١	
1	1 1 2 2 2	1	1	0	10.

* Left snift Put 00 5, y; So, 5661 = 10 Ann - | x * 2' yo x 221 00001010 * Right Shift Aw - 21" (User defined data type) Dept enum dept { CS, ECB, IT, EE, ME } or enum dept { cl = 1, ECB, IT, EB, MZ} I if I want the mumbering to Hart my (A) typedef typedel i'nt marks; ant main () typedef int mu; put m1, m2, m3, ~1, ~2, ~3; int marn () marke m1, m2, m3; mu 11,12,73;