Getting Started Module Communication levery different A (Minoli) a=10 b=15 Compiler CEARD Computer Translation dewlands Code Compiler Compile time errors -> Syntactical  $a,b \rightarrow a+b$ Run Time Eurors -> Wgical IDE -> Integraled Development Environment Corefile & Run Together - Doing by itself Staryt Block in Flouchauts (>> main() int main () f Cout << "Hello word" << endl; Cout << "In"; insention operator # Hinduele < iostream> Cont Using namespace stel; full stop (.) To paint something as it on corrole put in cloube

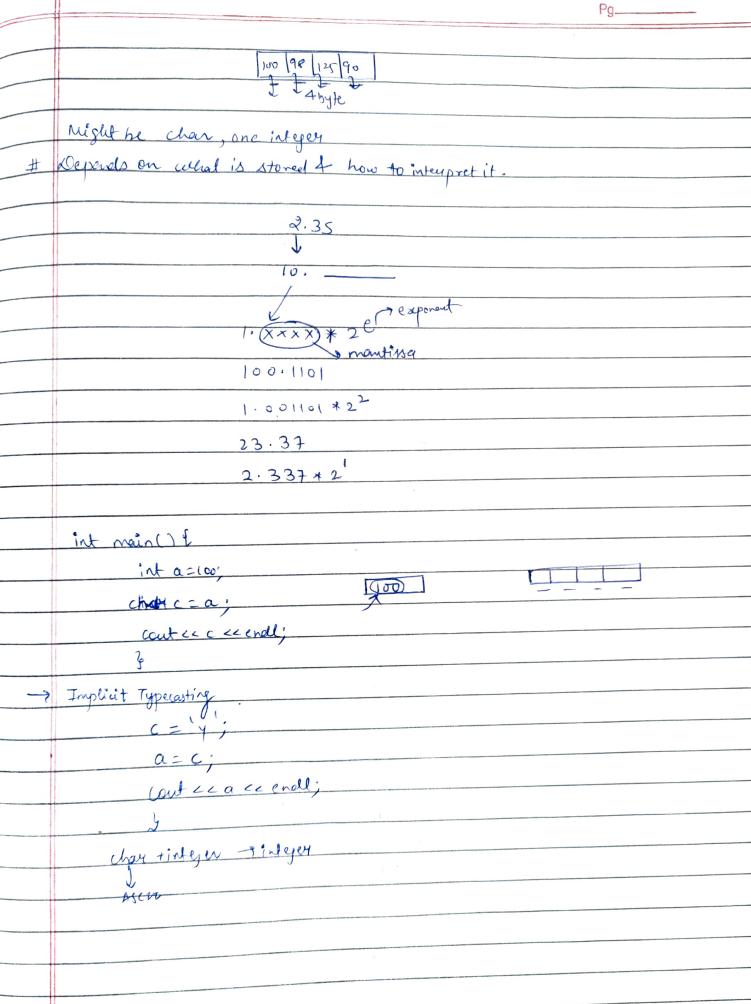
W@W!

Vaniables and Data Types int main () { a [10] mutate (int) b = 20; int a=10; \_\_\_\_ ubytes Kind of Data int c=a+b; int number

stouage rejured

subsytes contecc ex endl; int main() of chard='x': > 1 byte Contex decerell; int main () & float f = 1.23; Jubytes double g=1.234; > 8 byles Cout exfect " < 2 g exernal; int main Of bool = true; -> 1 byles -> puints of 1 as Contreference; not tre or false size of (1) -> tells the amount of data that it can store (6) No two same name of variables in same scope; float b=15; JX Not allowed in same scope MEMI

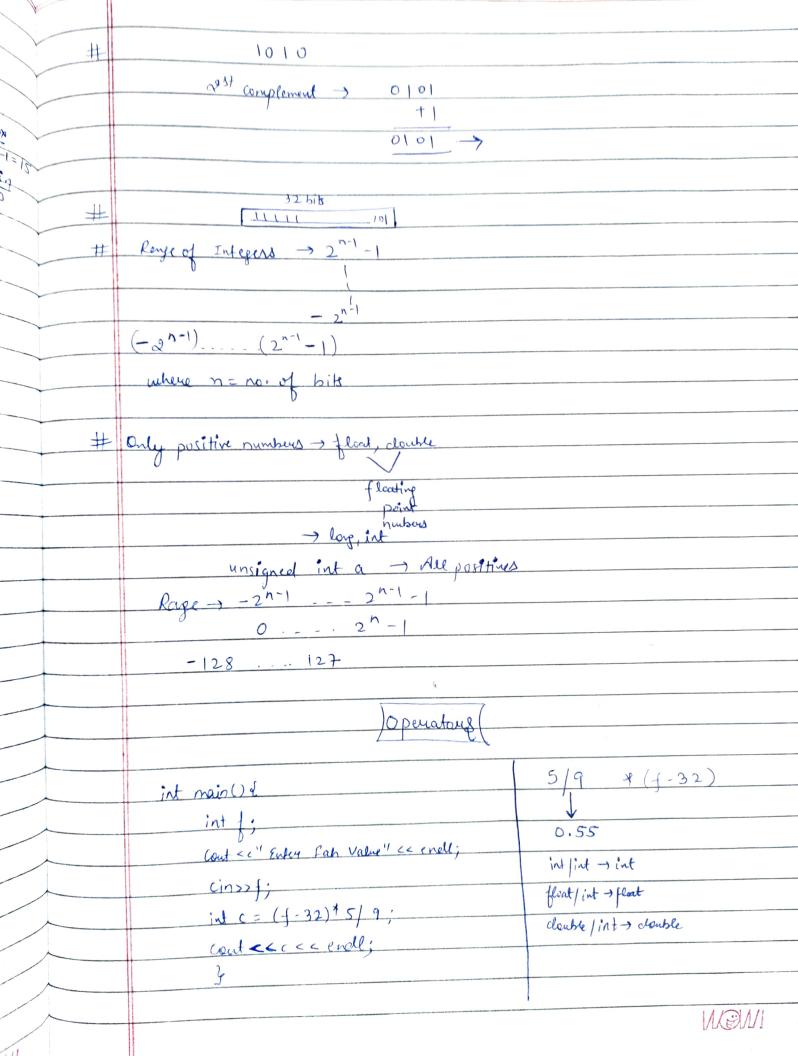
	Dt
	Pg
#	Variable Naming Rules
	t com contain numbers (0-9), alphabets (A. Z., a Z.) and underscore.
	It cannot start with a number but can start with an underscore.
V	1) A HILLIAND ONE CONTINUE OF THE PARTY OF T
2)	All more blas contain applicate water
4)	The output of a buslean vanishle is either 0 or 1.
	**
	Take III
	Take Input
	17
	int main()&
	int a; ybytes  a to not clean
	(ci)
	(cin) > a >> b; int b; b
	Couter atb; Same strage at some
	Couter at by  Beautre struge at some  3  1224 of the
	genberge vilue_
	How is Data Stored?
	Birary Culput
	int a = 100; a
	[100] -> Binony
	byks ubytes
	int a = 259;
	256+21
	111 00000000000000000000000000000000000
	chan d= 'y'; -> (All chanceleus pursess ASCII value)
	1 hype (5. 92.)
	01-72 7A-Z
	97-122 -> a-z 48-St -> 0-9 11/31/1
	43-37 70-9 MBMI



MOMI

How are Negative Numbers Stoned? 0000 0 - min 1 shit rain hit  $may = 2^3 - 1 = 7$ 1 1 1 1 1 Min  $-7 - (2^{n-1}-1)$ 0000 -> +0 1000 -- 0 tive number - Convert to bineury -ive no > 1) forget negative sign 2 Convert mun to bineary 3 Take 2's Complement 9 Show the would of Step-3 1's complement > 1010 2's complement - 10 11 70101 917 [101] -> 2'5 complement -> (-ive number)

MBM!



		Dt
		Pg
		DtPg
#	Nithandi Obr	
H	Auithmetic of	
	t,-,*,/, %	
	1 0 - 2 - (0 - =b);	
	bool ans = $(a==b)$ ;	
	Cout ex ans;	
+1	2	
#	lelational Of > -> Gereater thom	
	Jessey than	
	>= -7 Generally than or equal to	-
	>= - yes than or equal to	
	== -> equal to	
	!= > Not equal to	
#	Logical of	
	LL - AND ALSO	
	11 -> OR ALSO	
	! -> NOT	
	Flat -> F FIIF > F	
	T&&F → F FIIT → F	
	FL&T AF TIFAT	
	TRR+ >T   TUT >T	
Note	Print -> Modulus Openator commet work with int or float	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(%)	