/ FROT NC / 02 '08 '23

## Assignment -12

all what is meant by reference in (++) Ans ) Reference is considered as a derived data type in c++ as well as Jara ) when we create reference to an existing variable Hisjust considered as another name to that variable. ) As it is j'ust an another name, there is no so repende memory allocation for that I to create a reference we use '&' operator ) If the '&' is used after assignment operator then it is considered on address of operator ) If the & operator is used before: assignment operator then it is congidered as reference operator cut no = 11; int let = no! no is variable of type integer, initialized Diref is reference which refers to integers, corrently it refers to variable nc. I ret is now another name of an integer & the have of original variable is no I when we reale a reference there is no soperate memory allocation for it If the name of reference & the original name

refers to tere same memory location



Due to which address is same brake is If me change the value of a variable veing its original name, than value of reference variable gets changed automatically When we create a reference its entry gets added inside symbol Table model Symbol Table contains one column named as "Another name" which contains name of that review reference variable. Addres Size! value Datatype Another nam ) reference concept is used in cony constructor call by reference OI what is difference between pointer Rreferer? Any In painters, the 'b' operator is used after the assignment opperator to store the address of the ramable In reference, the "b' operator & used before assignment operator, it do is just another name for the variable construer. While politer stores address of vamable

as oran symbol teste for below syntage. int no= 11; // consider address of no actor int \* p = & no; 11 consider address of pas 200 int \*\* q = &p; // Consider address of q as 300 Name Adaress size valle. Datatype Another no 100 4 11 in P 200 8 100 Pointer 9 300 8 p200 paiter 067 Draw symbol table l'diagrammatic layour int No = 12; (1 Address 100 de int \*p = & no; 11 rangeden address of pas 20 int tq = &p: 11 Consider address of q as 3 Name Address . See value Datatype Anothe no 100 4 11 int p 200 8 100 pointer 100



J		
6.77	prou symbol table & diagrammatic representation	-3
W.		_
·	int no= 11; 11 consider Address of no as 100	
	int & = no;	
	int &; = 110;	_
	warre Address . Size Value Datatype Another Wome	_
	no 100 4 11 int 12 i,j	~
		-
		_
	no 11 i/i	
		-
		_
0.87	Drew symbol table & diagramatic representation	_
40		
	int no=11; // Consider admir of ne as 100	_
	int & 1 = no;	
	int list i	
	in as - c	_
	Name Address size Value Portatype Another Ware	_
	in the second of	_
	70	
	100 4 11 11	
	no   10 11 16	
	100 (04	
	: 1 1 3	
	100 104	

