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## Assignment - 12

- Q.1 what is mean by reference in c++9
  - · Reference is just another name to any variable.
  - · As reference is just another name of an variable the seperate memory is not allocated to the reference.
  - · when we write & operator at the 1cft side of assignment operator it becomes the reference of that variable.
  - · This reference ( another name of variable) is stored inside the symbol table.

8.9. int no = 10; int & ref = no; no 10 ref

160

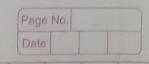
Reference another operator name

- Reference is used in:
  - 1. call by reference to the function
  - 2. concept of copy constructor.

## Q.2. what is the difference between pointer and Reference.

	reference in c++9	all copat is mean by
->	Pointer	Reference
V	another name to dr	· REPEKENCE IS HUST
		variable.
	· Pointer store	· It does not store
500	the address of	the address of variable
		It is sust a another
		name to the variable
9	· Momory allocated	Memory is not
4		allocated to the
		reference variable.
	address is long int	
(3	internally.	* This reference can
	the symbol teple.	75 Storad inside
	· An operator	· An operator is & is
	15 *	used left side of
1 2.c.F	07 00	assignment operator (=).
401	011	
	· There can be	· There is no
	NULL pointer.	NULL reference.
	The state of the s	
	· Possible to	· must be initialized at
	Initialize at any	time of creating
	fime .	reference.
	metro-state of	
	· we can execute	i we can create
		reference to reference.

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	ANALA COUNT	type Valler	atout Dotto	SV ESSA	adia	SIMPO		
	7			sibile.	T	ocioni		
	9	306	8	20		No. of Concession,	nter	-
	no	200	3	10	0 = 1		pointer	
	name	100	3/20	11	13 4	in	-	name
		address	Size		lue	dat	atype	dnother
00395	र ४६६४५८८० २,	Symb	ol table		Cagi	34	40	Topic.
								Repre-
				300	200	306	, 4	
	I Deep					1		
	estima	2.00	000		2/00		9	
	Pointer	100	200		- 1	_	19	
	int *	* 9 = 0	P : 001	00	411		00	
Trutono		P = & no					nan	
->	int	no = 11;	Table	Togush	9			
2 2 K d 3	side amabic						1	
Q·5	Draw	Symbol	table	for	belo	w 8	yntar	
	003	9						
	and o	call by	rchere	nce.			70 2	211-12-13
Q. 4·		is diff			-			
- /-	- A		10					10.0
		100				int		
	2. 0	all by	refere					
-7	1. cal	1 by	value	1 48	n facts	25.220	5%	
Q.3·	ways	in which	we	call +	Punci	tion :	in c-	++
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Q. s Draw symbol table & diagramatic representation of below syntax

int no= 11;

int \*P = Ano;

100 int \* 2 = 50 40P : 20 100

table for below syntax

no

100 200 1 208

9 200

300 308

Diagramatice Repre.

Bymbol Table

Į							
	name	size	address	value :	datatype	another	
	no	4 byte	100	9211- 2	int	-	
	PHOT	8 byte	200	100	pointer	~	
	9	08 byte	300	200	pointer		
	208	200 1					
1		The last of the la					

of below syntax. 9.7.

solinto no = Usia sero senon

int di = no;

int as = no;

100 11

1.5

100 104

Symbol Table

name	address	value	Datatype	Value	Another
no	100	11	int	4 byte	1,5

						Page No.			
Q. 8.	Draw	Symbol	+able	- 4 d	iagramma	utic repre	sention		
	of below syntax.								
		1							
	int	no =11;			111 = 500	30%			
	int	di = noio	0		=119 %				
		45 =13		19=1	* Chis	104			
	i	001 0			Diagramm	natic Repre	sentation		
	541	nbol tabl	e						
				5	601 Tabi	59.07			
	name	Size	address	value	datappe	another	name		
N	no		1000		int	i vaine	-		
	_	701	100	11	2449 12	00			
	6	204 4,0d 0	200	001	4 kg 8	9			
				,					
9.9	Pro	200 Symbo	of table	R dia	grammati	c Repres	entation		
	9 praw Symbol table & diagrammatic Representation Below Syntax.								
	int	- 00 - 11 .		Marie Company					
	int no = 11;								
		4;=no		20	//	104			
	symbol Table								
	name	Size	address	value	datatype	another			
	100	4 byte	106	11	integer	another name			
					0	Carlotte Carlo			

Q. 10 Draw Symbol table & diagrammatic representation of below syntax. int no = 11; int \* ? = 400; 10 1 11 3 3 int x (dj) = P; symbol Table name datatype name Size value address 100 int 4 byte 00 pointer 8 byte 100 P 200 come sixe address value detained another 4 by the 100 11 "integer is