## Day - 65 Pointers in C++-3

Pointers with char array! char am[5] = "1234"; ann ['1' | 2' | '3' | '4' | '\0' | 500 SOI SU2 SO3 SO4

> char \*pln = arri coute an exendl; -> 1234 coulce pla 4 endl; -> 1234

The implementation of chan is that if we

pass any address then it will print the value at that address not the address.

For printing the address ->

cout << (vaid \*) arn;

cout « (void \*) pla;

=

(void \*) is a pointer that points to the value but don't tell what is the data type of that value

Now, if chan a = 'a'; chan \* ptn = &a; couter ban «endl; couter phrecendl; Then it will print the value at that address until any hull character comes. So, you can also get some random

values.

		Date	Page
		Pointers in Functions	
		void incr(int n) {	10 7 11
		n++;	h soa
		3	1 300
		int main(){	10
		int num=10;	hum 200
12		int temp = num;	
,		inco(hum);	(_(0)
		cout << hum; -> 10	1emp 300
		3	_ · .
٠	= =	So, whon we print hum, we	9
	=1	Soi for getting 11, we will void incr (int *ptr)	have to use painters.
		111	
0		*ptn = *ptn +1;	pts 500
W.		int main(){	hum 200
		INT MICHAEL 12	Hum 200
		inco(& hum); -> 11	-
		3	

Page void dob( int \*p)? fan( i=0; i <5; i++)  $p(i) = 2 * p(i); \rightarrow *(p+0) = 2 * (*(p+0))$ int main(){ int an [5] = { 1, 2, 3, 4, 5}; dob ( am); fan( =0; i(5; i++) coute ancili 206 204 208 212 216 200 P[1] = 2\* p[1] = 2 \* \* (p+1)\*(p+1) = 2\* \*(204) = 2\* 2 = 4

9		
	DatePage	
	DatePage	
7 -3	Now if we want to swap two no. then -	
	int main () {	
	int first = 10;	
	int second = 20;	
	swapping (&first, &second);	
	cout << first << second;	
	void swapping (int *p1, int *p2) {	
	int temp = *p1;	
,	*p1 = *p2;	
	* p2 = lemp;	
	5	
=	Libora Le con doine appations using	
	when we are doing operations using pointer then we have to remember many	
	things —	
=\	So, to solve this problem, we use	
	reference.	
	int hum = 10; 10 \ temp	
	int & temp = num; _ num 100	
	temp = temp +1;	
	Here temp will also point	
	to the hum.	
3	we can also rewrite the swapping function	
	using rejounce.	
	void swapping (int &p1, int &p2) {	
	int temp = p1;	
	$p_1 = p_2;$ $p_2 = temp;$	
	2 12 2	

end of the second