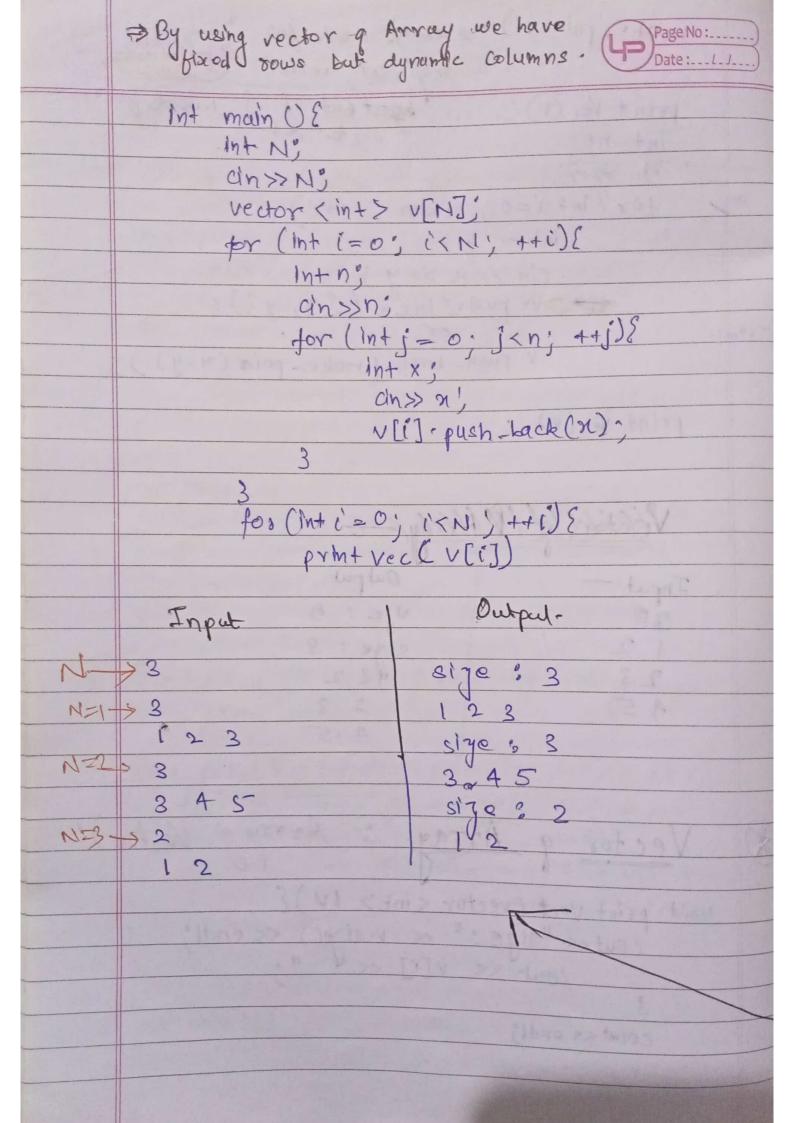
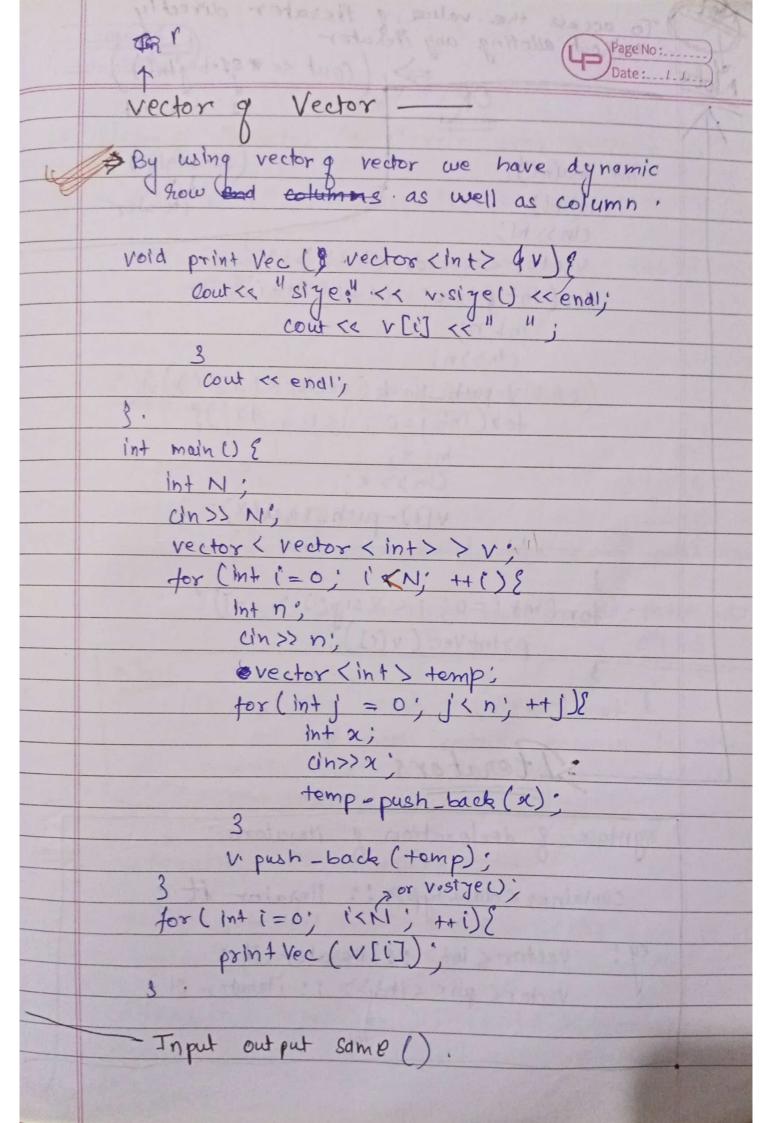
CH STL for COP O'Implo decloration of pairs la vector of pairs print vec (vector < pair < int, int >> (V) 5 Cout << " size " < visig() << end) tor(int i=0; i v. sig(); ++i) { cont « v[i]-first (" « V[i]-secoun d xie cout (end!; Int main () 5 vector < palr < in+, In+>> v = { {1,2}, {2,3} print Vec (v); Decleration of vector of pair by taking input from wer void print vec (vector < pair < int , int >> & V) { cout << "siye:" << v.size() << encl!;

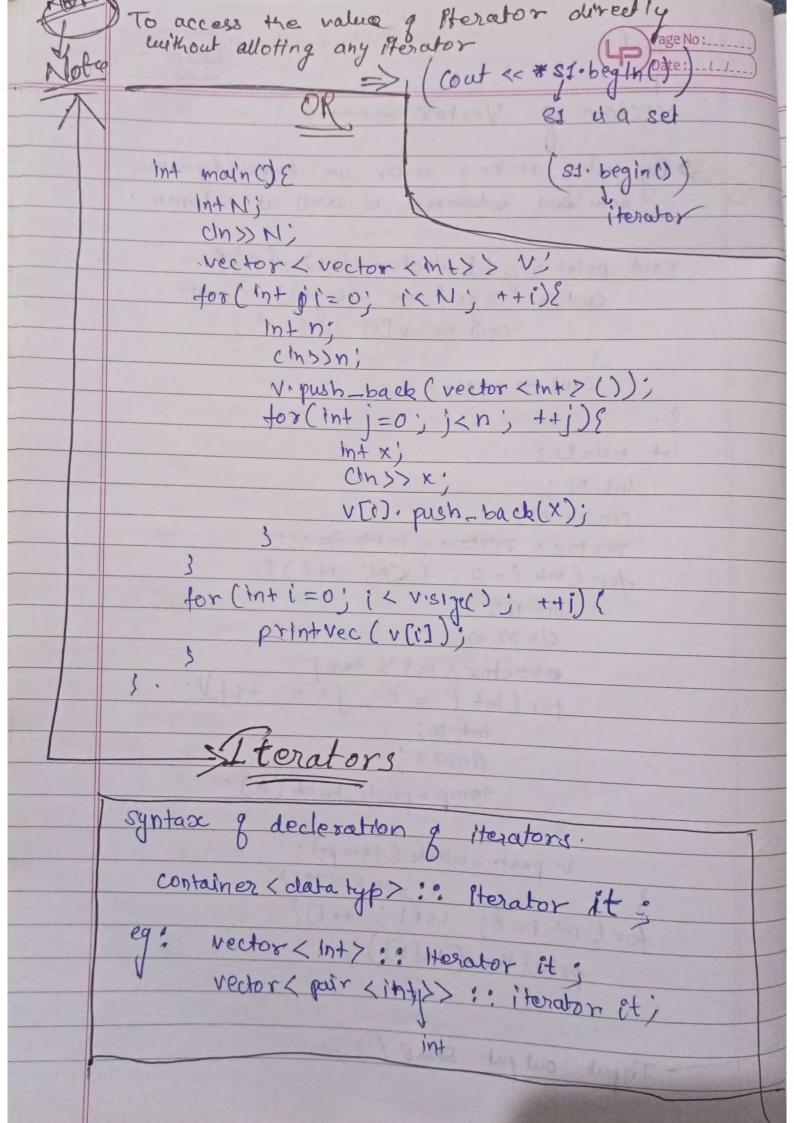
for (Int i=0; ix v.size(); ++i){

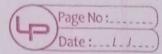
cout << v(i)}. first << " " << v(i)]. secound. Cout ke endl? int main () {

	make-pair () -> always mork for Page No:
	map, set, vector Page No:
	bout but 1 3 more por
	print vec (v); begut but { 3 mork for vector only
	194 11,
	Un >> n',
	for (int i=0; ixn; ++i)
	inta, y;
	cin >> n >> y;
	cin >> x >> y; push_back ({2x, y3);
d Krend	08
	V. push-back (make-pains (21, y))
	The state of the s
	print vec(v);
	166 Xake 1 /al 18 Aldrew Com
	Vector (g) 18 Array
	Though - Output
	41100
	12 23 817e; 3 912
	A 5 2 3 A . 5
	TALE TO A CONTRACTOR OF THE PARTY OF THE PAR
(A)	Vector q Array (or Array of Vector)
51 - 7-11-1	void print vect (vector < int > 4V) {
	"put << "size: " << v. size() << endl;
	cout << v[i] <
	3
	cout < endl')
St. St. St.	

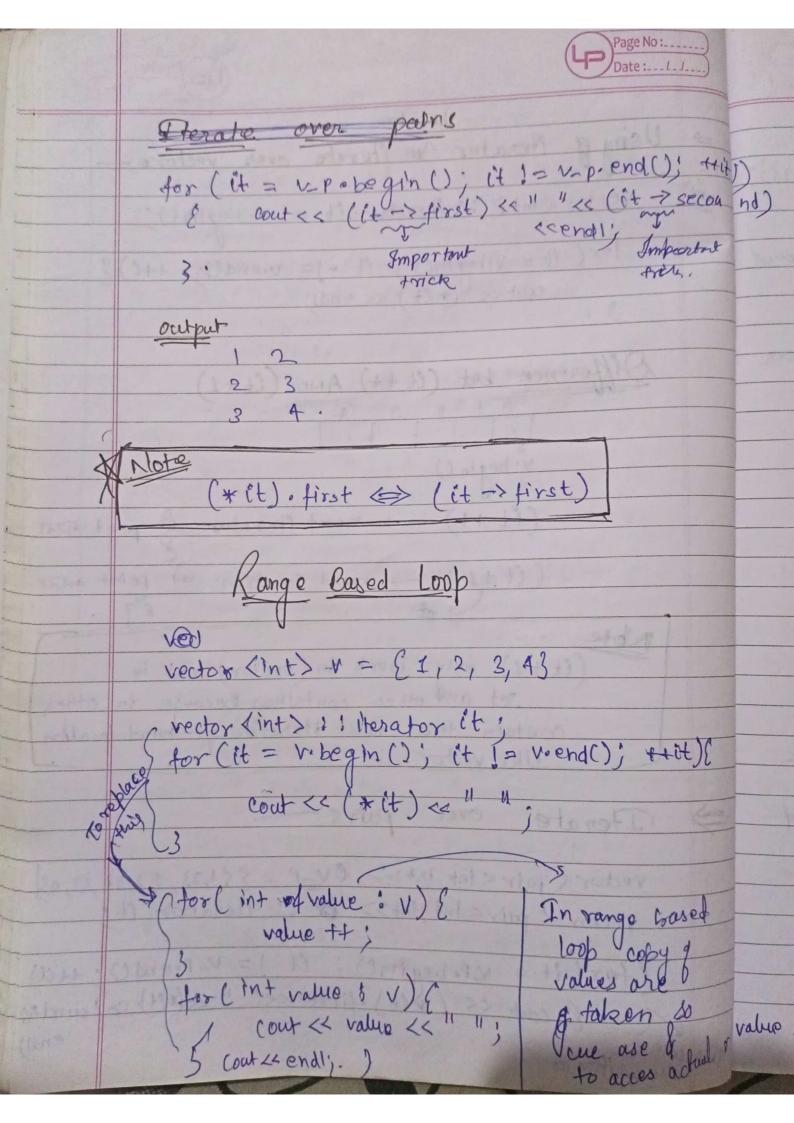


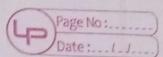






	how to
=	Using & Pterator Apo Pterata over vectors -
27	U U
84M	vector (int 7: iterator it = V. begin ();
1	V V
14,15	tor ((t = v.begin(); (t - 1= v.end(); ++())
	tor ((t = v.begin(); (t -1= v.end(); ++() { cout << (+ (+) << end);
	3.
	Difference bet (it ++) AND (it +1)
	0 1 0 2 4
	V This is a state of the state
	v.begin()
	(it ++) -> next iterator of point onzar
	E.
	(it +1) - next location and point areas
	(it +1) -> next location and point areas
	Intote
	(it + 1) only work In (vector) not in
	set and other container because in other
	contain the next iterator + next location
	like vector.
	The state of the s
2	Iterate over pairs
	vector< pair <int, int="">> & v_P = { (1,23, {2,33, (3,43)}</int,>
	rector < pair < Int, int>> : iterator it;
	/for(it = V.Pobeain(); it 1= V. Poend(): 4111)
	(for (it = V_Pobegin(); it != V_Poend(). ++it) (cout << (*it). first << " " << (*it). colound* endly
	E con (* 11) . first << << (to cound ?
This	also written as
	woo was





Output
2 3 5 6 7
3 4 6 7 8
^ ^
For & vector of pairs — (Ranged based loop)
vector (pair < int, int) > V-P = { 21,23, 22,33}.
vector(pair < int, int > > V-P = { 21, 23, 22, 33}. tor (pair < int, int > & value: V-P) {
cont <9 value first << 11 11 << value secound
end!)
3.
soutes end!"
output
1 2
2 3 May restored house of ()
and all transfer to the second of the second
Auto Key word (auto)
$vector < ln+ > v = {1, 2, 3, 4}$
for (doubn't = v. bealn () it 1= v. end(): 11ct
for (douboit = v.begin (); it != v.end(); ++it
08
tor (auto (value : V)
for (auto (value : V) 1, 11 Cout << value << como ;
Chedricati and engineering 289 page inches And I