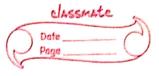
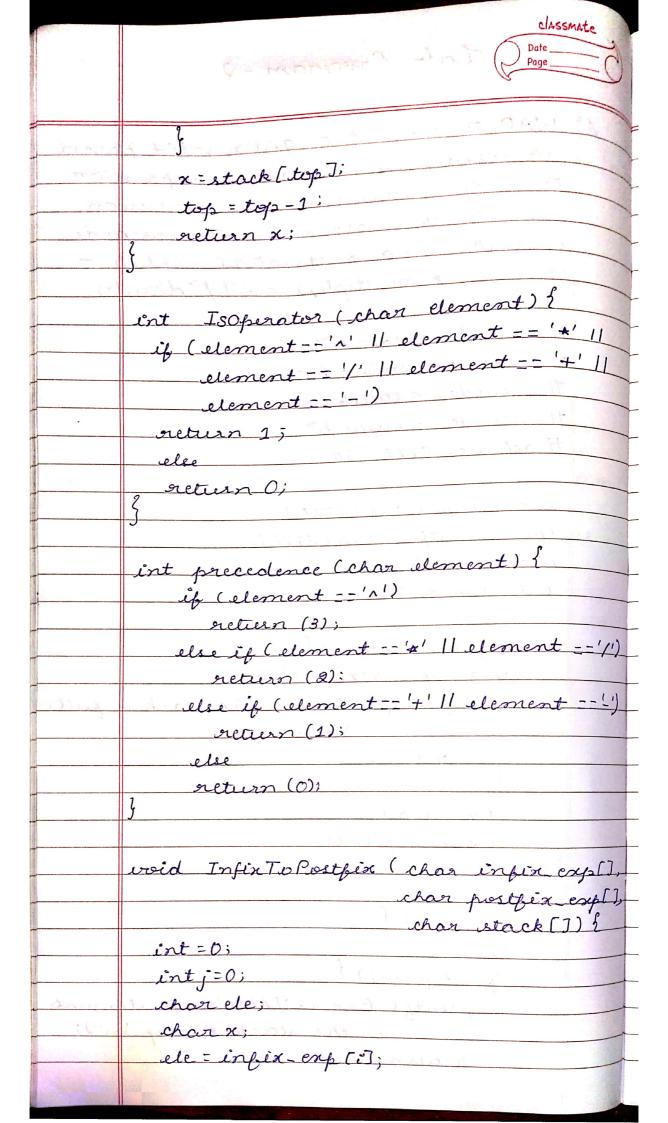
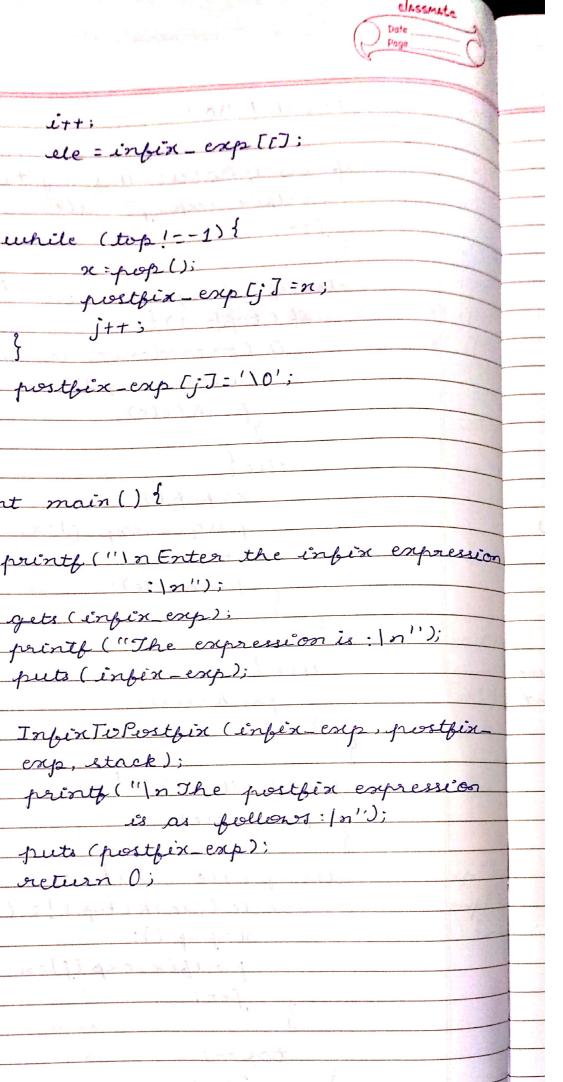
## Lab Perogram - 2 Date Page



	The same of the sa
Q.	WAP to convert a given valid paren
	-thesized infin withmetic expression
	to postfix expression. The expression
	consists of single character operands
	and the binary operators + (plus), -
	(minus), A (multiply), and / (devide),
	Pite and rate i raterators. to
11	#include < stdio.h >
11.	#include = string.h>
	#include < stdlib.h>
	# include < ctype-h>
	#define SIZE 50
	7 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -
	char infix exp[SIZE]:
	char postfix-exp[STZE];
	char stack [SIZE];
	int top = -1;
(N	void push (charx) {
	if (top==SIZE-1){
(	printf ('Error: The stack is full.
	\n'');
	return;
	top: top + 1;
	stack [top] = x;
JAT 1.	July and the state of the state
7.7	char pop () {
	char x i
	if (top==-1) {
	printf ("Ever: There's no element in the stack to pop. In");
	neturn '0'
	71 977 12 71 17



```
upile (ele!=10)
if (isalpha(ele) 11 isdigit (ele)) {
  postfix_exp[j] = ele;
else if (Isoperator(ele)) {
   if (top!--1) &
     if (precedence (ele) > precedence
         (stack (top]) {
       , frush (ele);
        x= pop();
        postfix_esp[j]=x;
       push (ele):
     puch (ele);
else if (ele == '(') {
else if (ele == ')') {
   while (stack (top]!='(') {
       n=pop ();
        frostber exp [j]=x;
    top--;
```



itt;

while (top!=-1){

int main () {

gets (infix exp);

puts (infix-exp);

erys, stack);

puts (postfix exp);

return 0;