Prefix exp => +-*AB+CDE -> input mfin emp = A*B-(C+D)+E > A*B - CD+ + E obliohata E Algorithm for Prefix to post fing (1) Read the prefin expression from right to lebt. 1 It incoming symbol is operand then push into the stack. bod int i= prefix. Length =15 12=0; i--){ 16 (180 perand (ch)) 3 stackpush (ch+""); public static boolean isoperand (char ch); return (ch >= 'a' 9090 ch <='z') 11 (Ch)= A' 900 Ch <= 'Z'L' Din incoming symbol is an operator then pop two element form the stack, create a string by concatenating the two operand and operator outer them and resultant string push into the stack. String temp = operand1 + operand2 + ch (operator) & tack pash (demp); Prepart the above steps until end of the prepix emp. B) then finely return the pop element brom the stack. program by Prebin to POSIfin => prefix +-*AB+CDE j=8765432±0 Cx BX ABXX char ch = prefactorAt(i); DX +CD+ -X AB*(O+X FOR*BAXY+ AB*CO+-E -x AB * CO+-E+ String opl = stack.pop(); // ALX 6p=-xp+2x0+282+2xp+0+0 String op2 = 8 tack. pop(); 11 Ba-COF E string temp = obl + obl + ch(operato); -> [CD+] Stack. puth (temp) > [ABX] AB*CO+finally stack have only one Clement AB*CO+-E+ which is resultant string. then return the popped demont from the Stack. return Stackpopus public class prefintopisting public Stadic boolean 18 Operand (char ch) } return (ch>='a1 pap ch<='z')|| (ch=>'A' pap ch <='z')); Spublic 8 testic String prefintopost bin(String prefin)} Stack(String) stack = new Stack(SW); torlinti=pretin.length()-1; i>=0; i--){
charch=prefix.charA+(1); 18 (18 Operand Cen) } stack push(ch);

public class preprioristing

public static boolean is Operand (ctor ch) {

return (ch>='a/oop ch<='z')|| (ch=>'A' oop ch<='z'));

}

public static string prepriorist for (string prepri) {

stack(string) stack= new stackow;

toristi= pretribenton; i>=o;i-? }

If (18 Operand Cen) {

gtack(puth(ch));

}else {

string operand = 8 tack-popu;

string operand = 8 tack-popu;

string temp = operand + operand + ch;

stack(puth(temp);

}

public static valid main(string and) {

string pretrin = + - * ABICDE;

sop ("freth ;" - pretrib);

string postfix = pretribpostfix(infin);

sop ("postfix:" + pastfin);

}

Derebin to post fin conversion.

26-08-2023 topic

1 Post for to prefix empression
2 post for to infin empression

25-8-2023 Lovered tobic