/\*

Prefix exp

operators to stack

operands &pop operator,append to infix string

print infix string

\*/

#include<stdio.h>

#include<conio.h>

#include<string.h>

#include<stdlib.h>

# define MAX 20

char stack[MAX];

int top=-1;

void push(char c)

{

stack[++top]=c;

}

char pop()

{

return stack[top--];

}

void pre\_in(char str[],char in[])

{

int n,i,j=0;

n=strlen(str);

printf("Infix expression is:\t");

for(i=0;i<n;i++)

{

if(str[i]=='+'||str[i]=='-'||str[i]=='\*'||str[i]=='/')

push(str[i]);

else

{

in[j]=str[i];

j++;

in[j++]=pop();

}

}

in[j]='\0';

}

int main()

{

char pre[50],in[50];

printf(“enter prefix expression:”);

scanf(“%s”,pre);

pre\_in(pre,in);

printf("%s",in);

return 0;

}