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#include<stdio.h>
#include<conio.h>
#define MAX 20
char post[MAX],infix[MAX],s[MAX],top,t;
int i,j;
void push(char t)
{
    top++;
    s[top]=t;
}

char pop()
{
    return(s[top--]);
}

int priority(char ch)
{
    if(ch=='+'||ch=='-')
        return(2);
    else if(ch=='*'||ch=='/')
        return(3);
    else
        return 0;
}

void check()
{
    while(priority(t)<=priority(s[top]))
        post[j++]=pop();
}

void main()
{
    char x;
    i=0;
    j=0;
    printf("enter the infix expression :");
    scanf("%s",&infix);
    while(infix[i]!='\0')
    {
        t=infix[i];
        if(t!='+'&&t!='-'&&t!='*&&t!='/'&&t!='('&&t!=')')
        {
            post[j++]=t;
        }
        else
        switch(t)
        {
            case '(': push(t);
                        break;
            case '+':
            case '-':
            case '*':
            case '/': check();
                        push(t);
        }
        i++;
    }
    post[j]='\0';
    printf("postfix expression is :%s",post);
}

```

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                break;
            case ')': while((x=pop())!='(')
            {
                post[j++]=x;
            }
            break;
        }
        i=i+1;
    }
    while(s[top]!='\0')
        post[j++]=pop();
    printf("the postfix expression is:%s",post);
}
```