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#include<iostream.h>
#include<conio.h>
#include<string.h>

class convert
{
    char infix[20],postfix[20],s[20];
    int i,p,top;
public:
    convert()
    {
        top=-1;
        i=p=0;
        cout<<"\nEnter infix Expression:";
        cin>>infix;
        strcat(infix,"");
        s[++top]='(';
    }
    int precedance(char);
    void post();
    void display();
};

int convert::precedance(char ch)
{
    switch(ch)
    {
        case '^':return 3;
        case '*':return 2;
        case '/':return 2;
        case '+':return 1;
        case '-':return 1;
        default: return 0;
    }
}

void convert::post()
{
    char ch;
    while(top!=-1)
    {
        ch=infix[i++];
        if((ch>='A'&&ch<='Z') || (ch>='a'&&ch<='z') || (ch>='1'&&ch<='9'))
            postfix[p++]=ch;
        else if(ch=='(')
            s[++top]=ch;
        else if(ch=='+' || ch=='-' || ch=='*' || ch=='/' || ch=='^')
        {
            while(precedance(ch)<=precedance(s[top]))
                postfix[p++]=s[top--];
            s[++top]=ch;
        }
        else if(ch==')')
        {
            while(s[top]!='(')
                postfix[p++]=s[top--];
        }
    }
}
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        top--;
    }
    else
        cout<<"\nWrong string";
    }
    postfix[p]='\0';
}

void convert::display()
{
    cout<<"\nPostfix Expression is :"<<postfix;
}

void main()
{
    clrscr();
    convert c;
    c.post();
    c.display();
    getch();
}

*/ Output */

```

Enter infix Expression: (a*b-(c+d/e^f)*h)

Postfix Expression is :ab*cdef^/+h*-

Enter infix Expression:a+2*5

Postfix Expression is :a25*+