Program Infix To Postfix

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#include <iostream>
using namespace std;
int priority(char c);
char infix[20], stack[20];
int i=0, j=0;
int main()
{
       int p1;
       cout << "Enter infix expression:";
       cin>>infix;
       cout << "output expression is: ";
     do
          {
           p1=priority(infix[i]);
                 if(p1==6)
           cout<<infix[i];</pre>
           else
           if(j==0)
           stack[j]=infix[i];
           j++;
           else
           if(p1==4)
            stack[j]=infix[i];
            j++;
         }
            else
           if(p1==5)
           do
           cout<<stack[j-1]<< " ";
           while(stack[j-1]!='(');
            else
           if(p1>priority(stack[j-1])||stack[j-1]=='(')
           stack[j]=infix[i];
           j++;
           }
           else
            if(p1<=priority(stack[j-1]))</pre>
           while(p1<=priority(stack[j-1])&&stack[j-1]!='('&&j!=0)
            cout<<stack[j-1]<< " ";
            j--;
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stack[j]=infix[i];
           j++;
            }
         }
           i++;
         }
           while(infix[i]!=NULL);
           for(i=j-1;i>=0;i--)
            cout<<stack[i]<< " ";</pre>
            return 0;
}
           int priority(char c)
            int p;
            if(c=='+'|| c=='-')
            p=1;
            else
           if(c=='*'|| c=='/')
            p=2;
            else
           if(c=='(')
            p=4;
            else
           if(c==')')
            p=5;
            else
            p=6;
            return(p);
Output:
Enter infix expression:(a+b)*c
output expression is:ab+ c*
```

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