**POST- LAB**

#include <iostream>

using namespace std;

char stack[20];

int top=-1;

void push(char x)

{ stack[++top]=x;

}

char pop()

{ if(top=-1)

return -1;

else

return stack[top--];

}

int pro(char x)

{ if(x=='(')

return 0;

else if(x=='+'||x=='-')

return 1;

else(x=='\*'||x=='/')

; return 2;}

int main()

{char exp[20]={"a+b\*c/d-q"};

char \*e,x;

int a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p,q;

cout<<"postfix expression:"<<endl;

cout<<exp;

e=exp;

while(\*e!=NULL)

{ if(\*e==a||\*e==b||\*e==c||\*e==d||\*e==f||\*e==g||\*e==h||\*e==i||\*e==j||\*e==k||\*e==l||\*e==m||\*e==n||\*e==o||\*e==p||\*e==q)

cout<<\*e;

else if(\*e=='(')

push(\*e);

else if(\*e==')')

{while((x=pop())!='(')

cout<<x;}

else

{while(pro(stack[top])>=pro(\*e))

cout<<pop();

push(\*e);

}

e++;

}

while(top!=-1)

{ cout<<pop();}

return 0;

}

}

