**#include <stdio.h>**

**#include <stdlib.h>**

**#include <string.h>**

**#include <math.h>**

**#define max 100**

**void main()**

**{**

**int i,sc=-1,c=-1,t,temp,s[max];**

**char a[max];**

**printf("\nEnter a Post-Fix Equation for Evaluation : ");**

**gets(a);**

**for(i=0;i<strlen(a);i++)**

**{**

**if(a[i]>='0' && a[i]<='9')**

**{**

**s[++sc]=(int) a[i];**

**s[sc]-=48;**

**}**

**else if(a[i]=='+' || a[i]=='-' || a[i]=='\*' || a[i]=='/' || a[i]=='^' || a[i]=='%')**

**{**

**temp=s[sc--];**

**if(a[i]=='+')**

**s[sc]=s[sc]+temp;**

**if(a[i]=='-')**

**s[sc]=s[sc]-temp;**

**if(a[i]=='\*')**

**s[sc]=s[sc]\*temp;**

**if(a[i]=='/')**

**s[sc]=s[sc]/temp;**

**if(a[i]=='^')**

**s[sc]=pow(s[sc],temp);**

**if(a[i]=='%')**

**s[sc]=s[sc]%temp;**

**}**

**else if(a[i]=='(')**

**{**

**t=i;**

**s[++sc]=0;**

**while(a[t]!=')' && t<strlen(a))**

**{**

**c++;**

**t++;**

**}**

**if(a[t]==')')**

**{**

**while(c>=0)**

**{**

**c--;**

**s[sc]=(s[sc])+(((a[++i])-48)\*((int) pow(10,c)));**

**}**

**}**

**else**

**sc-- ;**

**}**

**}**

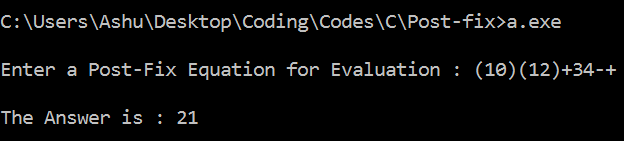
**if(sc==0)**

**printf("\nThe Answer is : %d\n",s[sc]);**

**else**

**printf("\nEnter Postfix Expression is Incorrect");**

**}**

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