```c
#include<string.h>

#include<math.h>

#include<ctype.h>

#include<stdio.h>


int top = -1 ;

double res,op1,op2,s[25];

char symbol,suffix[25];



double compute( char symbol ,double op1,double op2)

{
   switch(symbol)
    {
         case  '+' : return(op1 + op2 );

         case  '-' : return(op1 - op2 );

         case  '*' : return(op1 * op2 );

         case  '/' : return(op1 / op2 );

         case '%' : return( (int)op1 % (int)op2);

         case '^' : return( pow ( op1 , op2 ));

     }

}


void evaluate()

{
 int i;

 for ( i=0 ; suffix[i] !='\0' ; i++ )

 {
         symbol=suffix[i];


         if ( isdigit ( symbol ) )
```

```c
                s[++top]=symbol-'0';

            else

            {

                    op2 = s[top--];

                    if(top<0)

        break;

    op1 = s[top--];

                    res = compute( symbol , op1 , op2 );

                    s[++top]=res;

            }

    }//end of for

    if(top ==0)

    printf(" \n The Result is=%lf",s[top]);

      else

    printf(" \nWrong expression");

}




void main()

{


        printf(" \n\n Enter the valid Suffix expression\n");

        scanf("%s",suffix);

        evaluate();


}
```