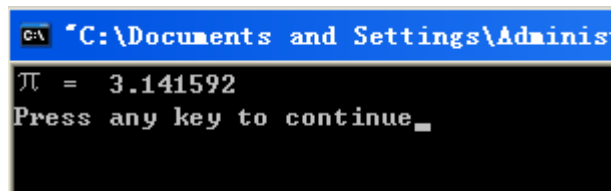```c
1 #include<stdio.h>
2 #include<math.h>
3 void main(){
4   int s=1;
5   double n=1.0,t=1.0,pi=0;
6   while(fabs(t)>1e-7){   //fabs(double), abs(int)
7   pi=pi+t;
8   n=n+2;
9   s=-s;   //实现正负交替
10   t=s/n;
11   }
12   pi=pi*4;
13   printf("π =%10.6lf\n",pi);
14 }
```

结果为: