**1016: 银行利率**

Time Limit: 1 Sec  Memory Limit: 30 MB  
Submit: 10109  Solved: 6471  
  
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**Description**

设银行1年期定期存款年利率为2.25%，存款本金为deposit元，试编程计算并输出n年后的本利之和。

**Input**

 输入一个正整数和一个实数，分别代表存款年数和存款本金。

**Output**

 输出一个双精度实数，小数点后保留6位有效数字。

**Sample Input**

2 100

**Sample Output**

104.550625

**HINT**

使用math.h中的数学函数

**Source**

[\*](http://acm.zzuli.edu.cn/zzuliacm/problemset.php?search=*)

#include<stdio.h>  
int main(void)  
{  
float rate=0.0225;  
float capital;  
int years;  
float deposit;  
scanf("%f",&capital); //输入本金  
scanf("%f",&years); //输入存储的年份  
deposit=capital+(capital\*rate\*years);  
printf("%f",deposit);  
return 0;  
}

#include <[stdlib.h](https://www.baidu.com/s?wd=stdlib.h&tn=44039180_cpr&fenlei=mv6quAkxTZn0IZRqIHckPjm4nH00T1YLnHmYnj6kPjTkm1F-PvD30ZwV5Hcvrjm3rH6sPfKWUMw85HfYnjn4nH6sgvPsT6KdThsqpZwYTjCEQLGCpyw9Uz4Bmy-bIi4WUvYETgN-TLwGUv3ErHDLrjmvnWmYnjfsP16vnHT4" \t "_blank)>

int main(void)

{

float rate,capital,deposit=0;

int n;

printf("Please input the rate:");

scanf("%f",&rate);

printf("Please input the n:");

scanf("%d",&n);

printf("Please input the capital:");

scanf("%f",&capital);

deposit=capital+capital\*n\*rate/100;

printf("The deposit is %f\n",deposit);

return 0;

}