// calculation of compound interest

#include <stdio.h>

int main() {

//declaration and intiaisation

double principal = 20000;

double rate =4.5 // 4.5% interest rate

double time = 4; // 4 years

double amount = principal\*((pow((1+rate/n),n\*time)));

printf("the amount(double) is %f",amount);

return 0;

}