

// Bai 05: $x+x^2+x^3+x^4+\dots+x^5$

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#include<stdio.h>
#include<conio.h>
#include<math.h>
float Tong05(float x, float n);
float Tong05_KhuDeQui(float x, float n);
int main()
{
    float x, n;
    printf("\n Nhap x = ");scanf("%f",&x);
    printf("\n Nhap n = ");scanf("%f",&n);
    printf("\n Tong 05 = %.2f",Tong05(x,n));
    printf("\n Tong 05 - khu de qui = %.2f",Tong05_KhuDeQui(x,n));
    getch();
    return 0;
}
// Cach 01: De Qui
float Tong05(float x, float n)
{
    if(n==1) return x;
    else return Tong05(x,n-1)+pow(x,n);
}
// Cach 02: Khu De Qui
float Tong05_KhuDeQui(float x, float n)
{
    float tong = 0, tam=1;
    for(float i=1;i<=n;i++)
    {
        tam=tam*x;
        tong=tong+tam;
    }
    return tong;
}
```