#include<stdio.h>

#include<math.h>

#include<conio.h>

float f(float x,float y);

void main()

{

clrscr();

float x0,y0,m1,m2,m3,m4,m,y,x,h,xn;

printf("Enter x0,y0,xn,h:");

scanf("%f %f %f %f",&x0,&y0,&xn,&h);

x=x0;

y=y0;

printf("\n\nX\t\tY\n");

while(x<xn)

{

m1=f(x0,y0);

m2=f((x0+h/2.0),(y0+m1\*h/2.0));

m3=f((x0+h/2.0),(y0+m2\*h/2.0));

m4=f((x0+h),(y0+m3\*h));

m=((m1+2\*m2+2\*m3+m4)/6);

y=y+m\*h;

x=x+h;

printf("%f\t%f\n",x,y);

}

getch();

}

float f(float x,float y)

{

float m;

m=(x-y)/(x+y);

return m;

}

****