#include<stdio.h>

#include<conio.h>

float f(float x)

{

return(1/(1+x));

}

void main()

{

int i,n;

float x0,xn,h,y[20],so,se,ans,x[20];

printf("\n Enter values of x0,xn,h: ");

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

n=(xn-x0)/h;

if(n%2==1)

{

n=n+1;

}

h=(xn-x0)/n;

printf("\n Refined value of n and h are:%d %f\n",n,h);

printf("\n Y values: \n");

for(i=0; i<=n; i++)

{

x[i]=x0+i\*h;

y[i]=f(x[i]);

printf("\n %f\n",y[i]);

}

so=0;

se=0;

for(i=1; i<n; i++)

{

if(i%2==1)

{

so=so+y[i];

}

else

{

se=se+y[i];

}

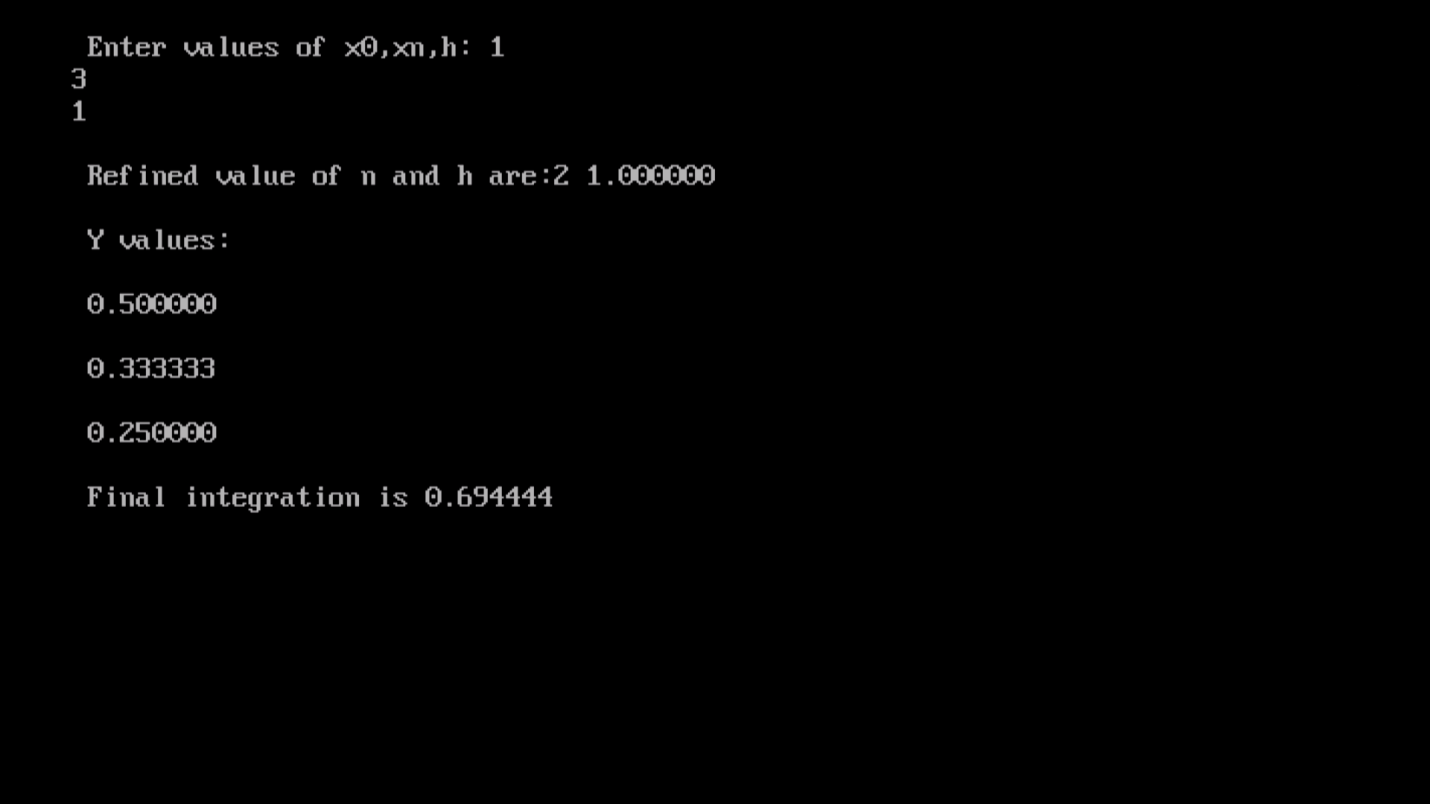
}

ans=h/3\*(y[0]+y[n]+4\*so+2\*se);

printf("\n Final integration is %f",ans);

getch();

}

****