

```

#include<iostream>
#include<math.h>
using namespace std;
int main()
{
    int i,n;
    float x[10],y[10],h,sum;
    cout<<"enter no of value in table: ";
    cin>>n;
    cout<<"enter X & corresponding Y:\n";
    for(i=0;i<n;i++)
        cin>>x[i]>>y[i];
    h=x[1]-x[0];
    sum=y[0]+y[n-1];
    for(i=1;i<n-1;i++)
    {
        if(i%3==0)
            sum+=2*y[i];
        else
            sum+=3*y[i];
    }
    cout<<"integral value="<<(3*(h/8))*sum;
    return 0;
}

```

enter no of value in table: 5

enter X & corresponding Y:

0 1

0.25 0.9412

0.5 0.800

0.75 0.6400

1 0.5

integral value=0.750337