f = inline('3\*(0.4+0.004\*T)');

x1 = input('Enter the value of x1 = ');

xn = input('Enter the value of xn = ');

n = input('Enter the value of n = ');

h = (xn-x1)/n;

Area = 0;

for i=1:3:n

Area = Area+(f(x1)+ 3\*f(x1+h)+ 3\*f(x1+2\*h)+ f(x1+3\*h));

x1 = (x1+3\*h);

end

Area = (3\*h/8)\*Area;

fprintf('The value Area is =%f',Area )

simpsonsrule3by8

Enter the value of x1 = 25

Enter the value of xn = 125

Enter the value of n = 6

The value Area is =210.000000>>