

```
%Name - sarthak Patil
%Roll no - TYMEB228
%Batch -B4
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>>
```