```
In[1]:=  a = Input["Enter the Left end point:"];
         b = Input["Enter the Right end Point:"];
         n = Input["Enter the number of sub intervals"];
         h = (b - a) / n;
         y = Table[a + i * h, {i, 1, n}];
         f[x] := Log[x];
         sumodd = 0;
         sumeven = 0;
         For[i = 1, i < n, i += 2, sumodd += 2 * f[x] /. x → y[[i]]];
         For[i = 2, i < n, i += 2, sumeven += 2 * f[x] /. x → y[[i]]];
         sn = (h / 2) * ((f[x] /. x → a) + N[sumodd] + N[sumeven] + (f[x] /. x → b));
         Print["for n =", n, "Trapozial estimate is", sn]
         in = Integrate[Log[x], {x, 4, 5.2}]
         Print["then true value is", in]
         Print["absolute value is", Abs[sn - in]]


         for n =10Trapozial estimate is0.385878

Out[13]=  1.82785

         then true value is1.82785

         absolute value is1.44197
```