In[104]:=
```
a = Input["Enter the left hand point of the interval :"]
b = Input["Enter the right hand point of the interval :"]
h = (b - a) / 2;
c = (a + b) / 2;
f[x_] := Exp[- x ^ 2]
sn = (h / 3) * ((f[x] /. x → a) + 4 (f[x] /. x → c) + (f[x] /. x → b));
Print["Simp . est is " , sn]
tv = N[Integrate [f[x], {x, a, b}]]
error = Abs[tv - sn];
Print["error is", error ]
```

Out[104]= 1.

Out[105]= 2.

```
Simp . est is 0.134632
```

Out[111]= 0.135257

```
error is0.000625262
```