Adding Julia Code in Latex Example

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1 One Dimensional Integration

$$\int_a^b f(x)\,\mathrm{d}x \approx (b-a)f\left(\frac{b+a}{2}\right) \tag{1}$$

```julia
1    function integrate(f,a::Real,b::Real)
2        return (b-a)*f((a+b)/2.0)
3    end
```

Listing 1: Example of a Julia code in LaTeX.