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# include thrift-generated code
$:push('./gen-rb')

require 'thrift'
require 'calculator'

# provide an implementation of Calculator
class CalculatorHandler
  def initialize()
    #nothing goes here
  end

  def calc(val)
    lh_term = val.lh_term
    rh_term = val.rh_term
    case val.op
    when 1 #Addition
      lh_term+rh_term
    when 2 #subraction
      lh_term-rh_term
    when 3 #multiplication
      lh_term*rh_term
    when 4 #division
      lh_term/rh_term
    when 5 #modulus
      lh_term%rh_term
    end
  end

  def run_task()
    puts "Kicking off the task"
  end
end

# Thrift provides mutiple communication endpoints
# - Here we will expose our service via a TCP socket
# - Web-service will run as a single thread, on port 9090

handler = CalculatorHandler.new()
processor = Calculator::Processor.new(handler)
transport = Thrift::ServerSocket.new(9090)
transportFactory = Thrift::BufferedTransportFactory.new()
server = Thrift::SimpleServer.new(processor, transport, transportFactory)
puts "Starting the Calculator server..."
server.serve()
puts "done."

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