Assignment 5

Sinatra : routes

Q1. What are routes?

Sinatra routes are simply Ruby methods with an

associated code block that get called every time a request matches

the given route pattern.The :id part of the route pattern

is a named parameter and will be accessible in your code

from the params hash: params[:id], but I'll describe these in

further detail later in this post.Routes are matched in the exact

order that they are defined in your code, this means that second

route in the below example will never get matched because we have the

exact same pattern further up in the code.The explicit routes should

always be added towards the top of your route file or controller. I

can guarantee you that this has been the source a many hours of

frustration by developers working with Sinatra.Route method names

correspond to HTTP 1.1 request method names to make things

easier to remember.

Q2. How to add a new gem to your project?

Add whatever gem you want to use in Gemfile.

Execute bundle install

Q3. Sinatra application to calcule nth fibonaci

number.

require 'sinatra'

get '/' do

name = params[:name]

if name!=nil

return "Hello #{name}!"

else

return "No parameter!"

end

end

get '/Fibo' do

n = params[:n]

if n!=nil

i = n.to\_i

num = Fib(i)

return "Value = #{num}"

else

return "No parameters given!"

end

end

def Fib(n)

i=2

a=0

b=1

while i<n

c = a + b

a = b

b = c

i = i + 1

end

return c

end