

CIS Midterm Fall 2018

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March 1, 2019

This is the written portion of the exam from Fall 2018 that you can use to get an idea of the questions that may be on the exam.

Ruby/Rails Coding Questions (25 points)

- What is the output of for each of the following Ruby statements?

1. `[1,2,3,4,5].map{ |n| n * n }.sum`
2. `student = {name: 'John', id: 1234}; puts student[:name]`
3. `(1..5).each{|n| puts n * 10}`
4. `(1..5).map {|x| x }`
5. `x,y = [1,2]`
`puts y == (x && x) ? true : false`

Short Answer (25 points)

1. Describe the interaction between the model, view, and controller in the MVC pattern as they are implemented in Rails 5.
2. In the agile approach to project management, the application is built incrementally. How do migrations in Rails support an agile development approach?