

# Ruby on Rails

## Lab Exercise 2

1. Demonstrate the use of a string in Rails by creating a Rails application that defines a string in a view and outputs the value to the webpage.
2. Create a loop that counts up from 1 to 100 with each number on its own line.
3. In a view, create an array called `byTens` with the values 10, 20, 30, 40, 50, 60, 70, 80, and 90. Output each value to the page.
4. Using the loop from question two, create a loop that outputs each value to the page.
5. In a view, create an array with the values John, David, Tariq, Le and Simon then output each value to the page.
6. Create a hash with the key value pairs of `A=>Apple`, `B=>Boy`, `C=>Computer`, and `D=>Discus`. Output each value to the page.
7. Create a hash called `days` with the key value pairs of `Sunday=>1`, `Monday=>2`, `Tuesday=>3`, `Wednesday=>4`, `Thursday=>5`, `Friday=>6`, and `Saturday=>7`. Output each value to the page.
8. Create a hash with each month as a key and its order number as a value. For example, `January=>1`.
9. Loop through your `byTens` array from question 3 and put all values but the value for 70 on the page.
10. Demonstrate the creation of a simple object that has a first name, last name, and email, and can display them on a page.
11. Write an array that contains five color values (like `#efefef`) and use those values to create text that says "Hello World" once in each of those five colors. Your results should look like this:



(Hint: you'll use a condition like `if byTens[6]==70`.)

(Hint: you can use an inline style.)

### Questions:

1. If name="Tommy", what would <%=name%> display on the page?
2. In the array

```
cars=Array['white','red','yellow','green','black',]
```

what color is referenced with cars[2]?

3. With the array created in Lesson #2-5 what would <%=days['Monday']+days['Wednesday']%> put on the screen? If you don't know, write a problem to find out.
4. What is the difference between **nums =Hash['Num1'=>'2','Num2'=>'4']** and **nums =Hash['Num1'=>2,'Num2'=>4]**? What do you get for results with each when you write <%=nums['Num1']+nums['Num2']%>? Write an application to find out.
5. What is the main difference between an array and a hash?
6. What is a loop and why is it helpful?