

1. Write a program that has 3 string variables x, y,z and does the following:

- a. Determines if x,y,z are empty, and returned true if they are and false if they are not.
- b. Puts all variables into an array, and then spits out the values as a string.
- c. has a method called whatever you like, that take the xyz string, reverses it, and prints it to the screen 20 times (using a loop, not 20 print statements).

2. Take the String class and add a shuffle method to it.

3. Create three hashes called person1, person2, and person3, with first and last names under the keys :first and :last. Then create a params hash so that params[:father] is person1, params[:mother] is person2, and params[:child] is person3.

Verify that, for example, params[:father][:first] has the right value.

4. Find an online version of the Ruby API and read about the Hash method merge. What is the value of the following expression?

```
{ "a" => 100, "b" => 200 }.merge({ "b" => 300 })
```