Quiz 3

1. Write if/else ruby statement in only one line
Ans:
```
name = "sazzad"
puts "this is Hossain" if name == "sazzad"
```

2. Ruby program that calculates the sum of all the numbers between 0 and 100 that are divisible by both 3 and 5?

```
for i in 0..100
 sum = i
 if i % 3 == 0 && i % 5 == 0
 sum = sum + i
 i += 1

 puts "#{sum}"

end
end
```

3. Write a Ruby program to convert user input to upper, lower and capital letters
Ans:
```
puts "enter your name"

user = gets

puts user.downcase()
puts user.upcase()
puts user.capitalize()
```

4. File Operations with Ruby
write your own ruby program that :

creates a file and writes some text into it, then closes it,
open the same file, and print all lines inside that file,
then, delete that file
Ans:

```ruby
file = File.new('input.txt', 'w')

file.puts "what is it"

file.close

file = File.open('input.txt', 'r+')

file.print "what you want to print"

file.close

File.delete('input.txt')
```

5. write your own Ruby program that converts a array to yml and loads the yml output and print array using:
  load()
  dump()
Ans:
```ruby
require 'yaml'
array.to_yaml

yaml_string = File.read "array.yml"
data = YAML.load yaml_string

output = YAML.dump data
File.write("array.yml", output)
```

6. Write a Ruby program that converts a array into json, now parse your json looking for a specific array element

Ans:

```ruby
require 'json'
array.to_json

file1 = JSON.parse '[2,4,5,3,1]'
puts file1[2]
```

7. Write a Ruby program to generate json using pretty

Ans:
```ruby
require 'json'
puts JSON.pretty_generate(array)
```

8. Write a Ruby program that connects to MySQL Database in your pc and executes a select query