**Quiz 3**

1. Write if/else ruby statement in only one line

**Ans**

if 1>2 then print “Yes” else print “No” end

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

**Ans**

m = 100

s = (m\*(m+1))/2

n = s/3

n1 = s/5

print "Sum of the number in 1 to 100 and division = ", s , "\n"

print "Sum of the number in 1 to 100 and division with 3 = ", n, "\n"

print "Sum of the number in 1 to 100 and division with 5 = ", n, "\n"

3. Write a Ruby program to convert user input to upper, lower and capital letters

Ans

print "Enter your name"

name = gets

puts "Name in capitalized form: ", name.capitalize;

puts "Name in upper case: ", name.upcase;

puts "Name in lower case: ", name.downcase;

gets

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

fname = "raj.txt"

nfile = File.open(fname, "w")

nfile.puts "Hello World!!!"

nfile.close

gets

file = File.open("raj.txt", "r")

contents = file.read

puts contents

puts "Next i am deleting the file"

File.delete(fname)

5. write your own Ruby program that converts a array to yml and loads the yml output and print array using:

load()

dump()

Ans

require 'yaml'

a = [1,2,3,4,5]

b = a.to\_yaml

puts b

z = b.dump()

puts z

gets

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

Ans

require 'json'

a = ["a" => 1, "b" => 2, "c" => 3, "d" => 4, "e" => 5]

puts a

b = a.to\_json

puts b

7. Write a Ruby program to generate json using  pretty

Ans

require 'json'

a = ["a" => 1, "b" => 2, "c" => 3, "d" => 4, "e" => 5]

puts a

b = JSON.pretty\_generate a

puts b

gets

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

require ‘mysql’

begin

a = Mysql.new ‘localhost’, ‘user1’

r = a.query(“SELECT \* FROM table”)

r\_rows.times do

puts.r.fetch\_row.join(“\s”)

end

end