**Quiz 4**

1. Ruby Program that prints the Time in different time zones

ANS: !/usr/bin/ruby -w

time = Time.new

# Components of a Time

puts "Current Time : " + time.inspect

puts time.year # => Year of the date

puts time.month # => Month of the date (1 to 12)

puts time.day # => Day of the date (1 to 31 )

puts time.wday # => 0: Day of week: 0 is Sunday

puts time.yday # => 365: Day of year

puts time.hour # => 23: 24-hour clock

puts time.min # => 59

puts time.sec # => 59

puts time.usec # => 999999: microseconds

puts time.zone # => "UTC": timezone name

2. Write a program that iterates over an array and builds a new array that is the result of incrementing each value in the original array by a value of 2. You should have two arrays at the end of this program,

The original array and the new array you've created.Print both arrays to the screen using the p method instead of puts.

3. Ruby program to find the leap year when start and end year are given.

4. Ruby program that takes a numerical value and give the output as Roman number

5. Write a your own ruby program that uses a Queue

puts "puts works"

puts " with line breaks."

print "print works"

print " with no line breaks."

printf("\n\nprintf formats numbers like %7.2f, and

strings like %s.",3.14156,"me")

6. Write your own ruby program that uses each\_with\_index method to iterate through an array that prints each index and value

7. Ruby Program that prints if duplicates existing in a array

8. Write a Ruby program that prints pascal triangle

9. Write a Ruby program that prints the length of the common string when two strings are compared.