**Quiz 4**

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

Ans.

a = Time.now

print a.gmtime

1. 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.

Ans

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

b = []

p a.each{|b| print b += 1, " "}

gets

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

Ans

puts "Start year :"

a = gets.to\_i

puts "End year :"

b = gets.to\_i

(a..b).each do |year|

next if year%4 != 0

next if year%100 != 0 && year % 400 != 0

puts year

end

gets

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

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

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

print a.each\_index {|i| print “#{array[i]}”}

gets

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

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

puts a.find\_all {|e| a.count(e) > 1}

gets

8. Write a Ruby program that prints pascal triangle.

def triangle(n)

(0..n).each{|r|

lst=[1]

term=1

k=1

(0..r-1).step(1){|index|

term=term\*(r-k+1)/k

lst.push term

k+=1

}

p lst

}

end

triangle(4)

gets

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

put

puts "Enter a string1 "

a = gets

puts "Enter a string2 "

b = gets

if a == b then

puts "Length of the string is :", a.Length

else

puts "Strings are not similar"

end

gets