**Quiz 2**

1. Ruby program when that accepts a date in a month and prints it out the appropriate suffix. For example, for 1 as input, print 1st, 2 as input 2nd, 3 as input 3rd etc

Puts “enter number”

n=gets.to\_i

if n<=31

case n

when 4..20,24..30

puts “#{th}”

when 1,21,31

puts “#{st}”

when 2,22

puts “#{nd}

when 3,23

puts “#{rd}

end

else

puts “other”

end

gets

2.Write your own ruby program using a case statement

Ans:

print "Enter your grade: "

grade = gets.chomp

case grade

when "A"

puts “very good”

when "B"

puts 'good'

when "C"

puts 'average'

else

puts "poor"

end

1. Ruby Program that iterates numbers with upto loop

Ans: 3.upto(5) do |j|

puts j

end

4. Write a Ruby program to print numbers from 1 to 50 and also in reverse order

Ans.

num=1

while num<=50

print num

num += 1

end

gets

num=50

while num >= 1

print num

num = num-1

end

gets

5. Write your own Ruby program using loops and iterators. Explain the difference between loops, iterators and blocks

def fibUpTo(n)

i1, i2 = 1, 1

while i1 <= n

yield i1

i1, i2 = i2, i1+i2

end

end

fibUpTo(10) { |f| print f, " " }

6. Write a Ruby program that loops through a array and checks if a pattern existsin the array elements

animals = ["cat", "dog", "bird", "chuck testa"]

for bird in animals

puts "there is a bird"

end

7. Write your own Ruby program using a Hash that loops through :

Print all Values while looping with Keys

Print all Keys while looping through Values

Print Keys, Values as pair.

8. Write a Ruby program that takes number as input and recursively calculates the power of 2 until the calculated number is less than 10000 and prints the maximum power for that number.

9. Ruby program to convert Celsius temperature to Fahrenheit

10. Write a program to create a Calculator class with add(), substract(), multiply() and divide(), then take two numbers and choice of operation from user and display output using objects

Class calculator

def add(a,b )

c=a+b

puts c

yield

end

add(3,4){

puts “addition”

}

End

Ans.def add( )

puts "Which numbers would you like to add?"

@n1 = gets.chomp

@n2 = gets.chomp

@n1 + @n2 == @answer

puts "The sum is... #{@answer}"

end

def subtract( )

puts "Which numbers would you like to subtract?"

@n1 = gets.chomp.to\_i

@n2 = gets.chomp.to\_i

@n1 - @n2 == @answer

puts "The answer is... #{@answer}"

end

def multiply( )

puts "Which numbers would you like to multiply?"

@n1 = gets.chomp

@n2 = gets.chomp

@n1 \* @n2 == @answer

puts "The answer is... #{@answer}"

end

def divide()

puts "Which numbers would you like to multiply?"

@n1 = gets.chomp

@n2 = gets.chomp

@n1 / @n2 == @answer

puts "The answer is... #{@answer}"

end

puts "Would you like to [add],0r [multiply], or [subtract] or [divide]?"

response = gets.chomp

if response == "add" then

add( )

end

if response == "subtract" then

subtraction( )

end

if response == "multiply" then

multiply( )

end

if response == "divide" then

divide( )

end