**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

1. Write your own ruby program using a case statement

#!/usr/bin/ruby

Puts “enter marks”

Marks=gets.to\_i

Case marks

If marks<40

Puts “fail”

elsIf marks<60

Puts “avg”

elsIf marks>60

Puts “good”

else

Puts “very good”

end

gets

3.Ruby Program that iterates numbers with upto loop

3 upto 5 do |j|

Puts j

gets

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

#!/usr/bin/ruby

a=1

for I in 1..50

puts a

a+=1

end

b=50

for I in 1..50

puts b

b -=1

end

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

Loop

I =0

While i<5

Puts “hello”

I+=1

End

Iteration

5.times do

Puts “hello”

End

Note: both loop and iterations doing the same thing .

But in iterator we have so many in built methods but in loop we don’t have.

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

#!/usr/bin/ruby

Puts “enter a string”

a=gets.to\_i

for a in [“dog”,’ram’,”cake”]

puts “existed”

end

gets

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.

#!/usr/bin/ruby

Puts “enter number1”

n1=gets.to\_i

Puts “enter number2”

n2=gets.to\_i

result=1

for I in 1..n2

result = result \* n1

if result==1000

break

end

end

puts result

gets

9. Ruby program to convert Celsius temperature to Fahrenheit

#!/usr/bin/ruby

class TempConverter

puts “enter celsius temperature”

conversiontype = get. chomp

tempinfaren=(((9\*Float(celtemp))/5)+32)

puts “#{celtemp} equal to #{tempinfaren}

end

gets

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

#!/usr/bin/ruby

Class Calculator

Def add(a,b )

a=2

b=3

end

end

n = Calculator.new

n.add(2,3)

Def substract(a,b )

a=2

b=3

end

end

n = Calculator.new

n.substract(5,3)

Def multiply(a,b )

a=2

b=3

end

end

n = Calculator.new

n.multiply(2,3)

Def divide(a,b )

a=2

b=3

end

end

n = Calculator.new

n.divide(2,3)