**Quiz 1 teja**

1. Write a Ruby Program to compute that takes input number from a user and prints All Fibonacci Numbers Upto that number. Your program should validate if the user provided input is a number or not.

First n Fibonacci numbers first using loop.

Second, write the same program using Recursion.

def fibonacci( n )

return n if ( 0..1 ).include n

( fibonacci( n - 1 ) + fibonacci( n - 2 ) )

end

puts fibonacci( 5 )

2. Write a Ruby program to find a number is prime or not

def is\_prime n

for d in 2..(n - 1)

if (n % d) == 0

return false

end

end

true

end

3. Write a Ruby program using Recursion to print the Factorial of a number

def factorial(n)

if n == 0

return 1

else

puts n \* factorial(n - 1)

return n \* factorial(n - 1)

end

end

factorial(5)

4. Write a Ruby program that Prints all permutations of a string using loops

for example, if input to program is xyz, the program prints x, xy,xyz,y,yz,xyz et

5. Ruby rogram to reverse a string

puts "abcdef".reverse()

6. Ruby program that takes a image url (http://www.bacteriainphotos.com/photo%20gallery/mrsa%20picture.jpg ) and prints it's height and width.

Hint: use fast image

<https://github.com/sdsykes/fastimage>

7. Write a program to print the top store in reddit.

HINT: reddit.com/.json

8. Write a Ruby program to sort an array.

values = ["x", "c", "m"]

copy = values.**sort**

puts copy.to\_s

values.**sort!**

puts values.to\_s

9. Write a Ruby program to convert all the elements of an array to a single string

string = ["This", "is", "a", "String"].join(" ")

puts string

10. Write a Ruby program that iterates through every element of an array and returns a new array HINT: .map()

>> Array.new(3, 0)

=> [0, 0, 0]

>> Array.new(3, :DEFAULT)

=> [:DEFAULT, :DEFAULT, :DEFAULT]