***Assignment : 2***

***Title: Install ruby using rvm***

***Roll No:30***

***Install ruby using rvm***  
#Install RVM  
$ gpg --keyserver hkp://[keys.gnupg.net](http://keys.gnupg.net/) --recv-keys 409B6B1796C275462A1703113804BB82D39DC0E3  
$ curl -sSL [https://get.rvm.io](https://get.rvm.io/) | bash  
$ echo "source ~/.rvm/scripts/rvm" >> ~/.bashrc  
[open a new terminal]  
#Verify  
$ type rvm | head -n 1  
> rvm is a function  
#Install Ruby  
$ rvm install ruby-2.4  
#Set rvm ruby as default  
$ rvm use 2.4 –default

**Fibonacci :**

def fibonacci(n)

a = 0

b = 1

# Compute Fibonacci number in the desired position.

n.times do

temp = a

a = b

# Add up previous two numbers in sequence.

b = temp + b

end

return a

end

# Write first 15 Fibonacci numbers in sequence.

10.times do |n|

result = fibonacci(n)

puts result

end

**Josephus:**

def josephus(size, steps, survivors = 1)

list = \*1..size

def list.[](i)

fetch(i % length)

end

puts "Population #{list.length}, #{steps} steps, #{survivors} survivors"

while list.length > survivors

list.delete(list[steps-1])

list.rotate!(steps-1)

end

puts "Position of survivors: #{list}"

end

#?

**Ruby Version Manager (RVM) :**

RVM is a command-line tool which allows you to easily install, manage, and work with multiple ruby environments from interpreters to sets of gems.