

CharlieHR Junior Dev Tech Test_(v3)

The code below is a User class that takes a name and date of birth. Your task is to implement the age and next_birthday methods such that they return the correct result for today.

If you would prefer to use a different programming language you're very welcome to. Please provide an equivalent User class and "test suite" along with instructions for how to run it.

You should spend at most 45 minutes on the task. If you're using a different language then you don't need to count the time spent to to recreate the Ruby code below.

You are free to refer to any documentation for websites, but please do not refer to any sources that implement code specifically for this problem. Please do not share the question or your answer with anyone.

You can send your answer as an archive (.zip or .tar.gz), single file attachment, or a repository link.

Have fun! :)

```
require 'date'

class User
  attr_reader :name, :date_of_birth

  def initialize(name, date_of_birth)
    @name = name
    @date_of_birth = date_of_birth
  end

  # Returns an Integer representing the user's current age
  def age
    ...
  end

  # Returns a Date object for the user's current upcoming birthday
  def next_birthday
    ...
  end
end

tests = [
  Date.new(1986, 1, 1),
  Date.new(1988, Date.today.month, Date.today.day),
  Date.new(1990, 12, 30),
]

puts "===== ages ====="
tests.each do |date|
  puts "#{date} => #{User.new("Test", date).age}"
end

puts "===== birthdays ====="
tests.each do |date|
  puts "#{date} => #{User.new("Test", date).next_birthday}"
end
```