Quiz 5 - Himabindu melachuru

1. Write a Ruby program that Reads from sample.txt (contains plain text) and creates a new config file called text.cfg

maximuspro:~ arun$ irb

irb(main):001:0> require 'io/console'

=> true

irb(main):002:0> file = "sample.txt"

=> "sample.txt"

irb(main):003:0> new = File.open("sample.txt", "w") {|somefile| somefile.puts "Hello file..."}

=> nil

irb(main):004:0> File.open("sample.txt").readlines.each do |line|

irb(main):005:1\* puts line

irb(main):006:1> end

Hello file...

=> ["Hello file...\n"]

irb(main):007:0> IO.copy\_stream("sample.txt", "text.cfg")

=> 14

irb(main):008:0> File.open("text.cfg").readlines.each do |new|

irb(main):009:1\* puts new

irb(main):010:1> end

Hello file...

=> ["Hello file...\n"]

2. Write a sample ruby program that uses XML and JSON parsing

irb(main):035:0> require 'json'

=> true

irb(main):036:0> hash = JSON.parse('{"name": "Himabindu"}')

=> {"name"=>"Himabindu"}

irb(main):037:0> puts hash["name"]

Himabindu

3. Write a sample program that converts a string or array to YAML ?

***converting array into yaml with to\_yaml***

maximuspro:~ arun$ irb

irb(main):001:0> require 'yaml'

=> true

irb(main):002:0> names = ["Himabindu", "Melachuru", "Milpitas", "California"]

=> ["Himabindu", "Melachuru", "Milpitas", "California"]

irb(main):003:0> example1 = names.to\_yaml

=> "---\n- Himabindu\n- Melachuru\n- Milpitas\n- California\n"

irb(main):004:0> puts example1

---

- Himabindu

- Melachuru

- Milpitas

- California

=> nil

***Converting array into YAML with YAML::dump()***

irb(main):005:0> example2 = YAML::dump(names)

=> "---\n- Himabindu\n- Melachuru\n- Milpitas\n- California\n"

irb(main):006:0> puts example2

---

- Himabindu

- Melachuru

- Milpitas

- California

=> nil

4. Write a Program that converts string to YAML and shows difference between different ways of YAML conversion.

require 'yaml'

irb(main):007:0> names = "Himabindu"

=> "Himabindu"

irb(main):008:0> conversion1 = names.to\_yaml

=> "--- Himabindu\n...\n"

irb(main):009:0> puts conversion1

--- Himabindu

...

=> nil

irb(main):010:0> conversion2 = YAML::dump(names)

=> "--- Himabindu\n...\n"

irb(main):011:0> puts conversion2

--- Himabindu

...

5. Write a sample ruby program for YAML File  and try to modify YAML file

require 'yaml'

config = YAML.load\_file('file.yml')

puts config['Maths']

config['Maths'] = 'English'

File.open('file.yml','w') do |h|

h.write config.to\_yaml

end

OUTPUT:

---

Maths: English

6. Write a Sample ruby program for Parsing YAML

irb(main):005:0> require 'yaml'

=> true

irb(main):006:0> names = {"Firstname" => "Himabindu", "Lastname" => "Melachuru", "Place" => "Milpitas"}

=> {"Firstname"=>"Himabindu", "Lastname"=>"Melachuru", "Place"=>"Milpitas"}

irb(main):007:0> conversion = YAML::dump(names)

=> "---\nFirstname: Himabindu\nLastname: Melachuru\nPlace: Milpitas\n"

irb(main):008:0> puts conversion

---

Firstname: Himabindu

Lastname: Melachuru

Place: Milpitas

=> nil

irb(main):009:0> parse = YAML.load(conversion)

=> {"Firstname"=>"Himabindu", "Lastname"=>"Melachuru", "Place"=>"Milpitas"}

7. Write a program using YAML which checks for user id and password

8. Write a sample program that connects to database and create a table in database

#!/usr/bin/ruby

require "dbi"

dbh = DBI.connect("DBI:Mysql:TESTDB:localhost",

"himauser", "test123")

dbh.do( "INSERT STUDENT MARKS(FIRST\_NAME,

LAST\_NAME,

MATHS,

ENGLISH,

SCIENCE,

GRADE)

VALUES ('Hima', 'Bindu', 97, 90, 85, 'A')" )

puts "STUDENT MRKS HAS BEEN CREATED"

dbh.commit

end

9. Write a program that creates a connection to an HTTP server. Use net/http

require 'net/http'

require 'uri'

uri = URI('http://google.com/example?ruby')

Net::HTTP.get(uri)

Net::HTTP.start(uri.host, uri.port) do |http|

request = Net::HTTP::Get.new uri

response = http.request request

end

10. Write another sample program that uses NET::HTTPS

maximuspro:~ arun$ irb

irb(main):001:0> require 'net/http'

=> true

irb(main):002:0> uri = URI('https://cloud.google.com/compute/pricing')

=> #<URI::HTTPS https://cloud.google.com/compute/pricing>

irb(main):003:0> Net::HTTP.start(uri.host, uri.port, :use\_ssl => uri.scheme == 'https') do |http|

irb(main):004:1\*

irb(main):005:1\* request = Net::HTTP::Get.new uri

irb(main):006:1> response = http.request request

irb(main):007:1> end

=> #<Net::HTTPOK 200 OK readbody=true>