**Quiz 5**

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

**Ans**

a = File.read('a.txt')

b = File.new("text.cfg", "w+")

File.open(b, "a") do |file|

file.puts "#{a}"

end

File.read(b)

gets

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

**Ans**

require 'json'

data = JSON.parse('{"a":[{"name": "Raj","grades": "A"},{"name": "Vini", "grades": "A+"}]}')

p data["a"].first.values\_at("name", "grades")

gets

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

**Ans**

require 'yaml'

a = [1,2,3,4]

puts YAML::dump(a), "\n"

b = "Raj Kiran"

puts YAML::dump(b)

gets

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

**Ans**

b = "Raj Kiran"

puts “Actual string: “, b

puts YAML::dump(b)

gets

o/p

Actual string: raj kiran

* raj kiran

By using YAML we can easily mapp data types to most high level languages: list, associative arrays and scalar.

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

Ans

a = YAML.load\_file “a.yaml”

a[“Name”] = raj kiran

File.open(“a.yaml”, ‘w’) {|f| YAML.dump(a, f)}

gets

Input:

age: 27

Name: Raj

O/p

age: 27

Name : raj kiran

1. Write a Sample ruby program for Parsing YAML

Ans

require 'yaml'

data = {"name" => "Raj", "age" => 27}

File.open("new.yaml", "w"){|f| f.write(data.to\_yaml)}

gets

O/P

---

name: Raj

age: 27

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

Ans.

require 'yaml/store'

user = Struct.new :User\_name, :Password

userArray = [user.new("Raj", "12345"), user.new("Kiran", "23456")]

store = YAML::Store.new "yamlexp.yaml"

store.transaction do

store["user"] = userArray

store["Warrning"] = {"Alart" => "Your data is store in yaml file"}

end

file = YAML.load\_file("yamlexp.yaml")

if store["user"] == "Raj"

puts "Raj is an user"

end

gets

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

Ans.

require ‘mysql’

begin

a = Mysql.new ‘localhost’, ‘username’, ‘password’, ‘mydb’

a.quary(“CREATE TABLE \ Raj(Id INT PRIMARY\_KEY AUTO\_INCREMENT, Name VARCHAR(20))”)

a.quary(“INSERT INTO Raj(Name) VALUES(‘RAJ KIRAN’)”)

ensure

a.close

end

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

Ans

request ‘net/http’

puts Net::HTTP.get(‘example.com’, ‘https://www.google.com’)

gets

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

Ans

require "net/http"

require "uri"

uri = URI.parse("https://google.com")

puts Net::HTTP.new(uri.host, uri.port)

puts Net::HTTP::Get.new(uri.request\_uri)

gets