**Quiz 5**

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

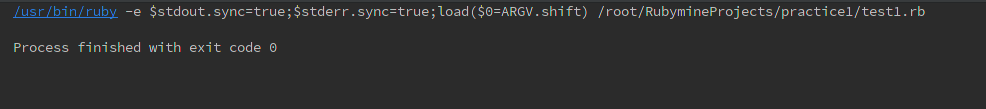
**answer:**

**file=File.open('./sample.txt','r+')**

file2=File.new('./sample.cfg','w+')

file.each(){|*line*| file2.puts *line*}

**output:**

****

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

Answer:

creating an xml file:

require 'nokogiri'

printer = Nokogiri::XML::Builder.new **do** |*xml*|

*xml*.skoruz{

*xml*.dell{

*xml*.id\_ **"12530"**

*xml*.name **"kiran"**

}

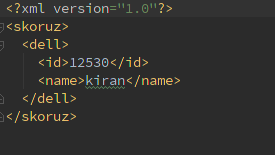
}

**end**

file1=File.new('sample.xml','w')

file1.puts printer.to\_xml

output:



parsing that same xml file into the program:

file=File.open('sample.xml','r')

xml\_file=Nokogiri.XML(file)

nodes=xml\_file.xpath('/skoruz/dell')

puts **"emplyee details are:"**

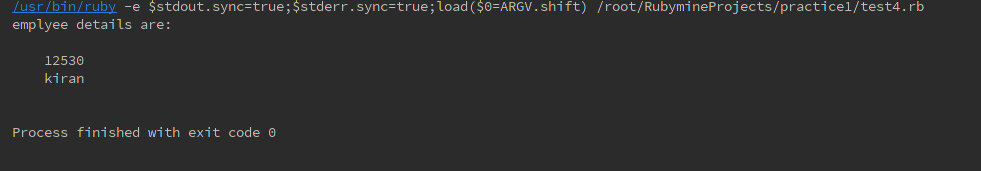
nodes.each **do** |*node*|

puts *node*.text

**end**

**file.close**

output:



json parsing:

answer:

require 'json'

arr=[**"kiran"**,**"arun"**,**"rajesh"**,**"pavan"**]

jarr=arr.to\_json

puts jarr

JSON.parse(jarr).each{|*name*|

**if** *name*==**"kiran"**

puts **"kiran Present"**

**end**

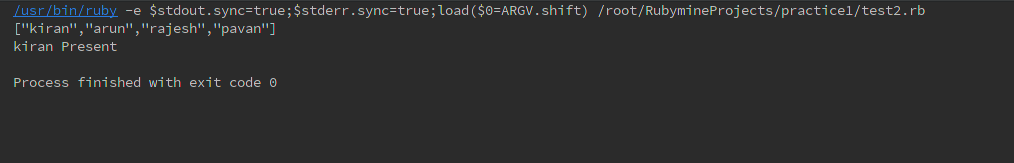
**if** *name*==**"anil"**

puts **"anil present"**

**end**

}

output:



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

Answer:

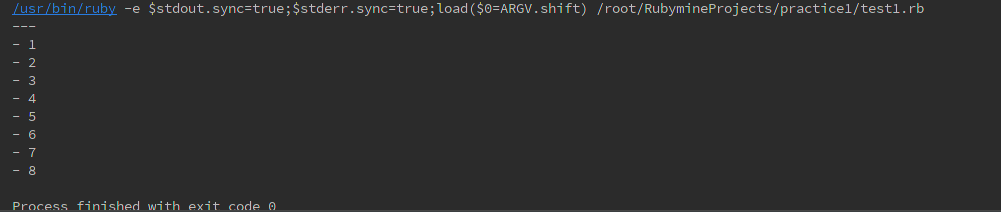
require 'yaml'

arr=[1,2,3,4,5,6,7,8]

yam\_arr=YAML::dump(arr)

puts yam\_arr

output:



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

Answer:

require 'yaml'

str=**"kiran arun pavan"**

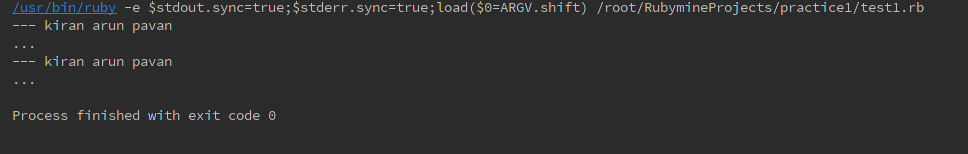
yam\_st=YAML::dump(str)*##one way to convert string to yaml*

puts yam\_st

yam\_st1=str.to\_yaml*## second way to convert String to yaml*

puts yam\_st1

output:



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

answer:

creating a yml file

require 'yaml'

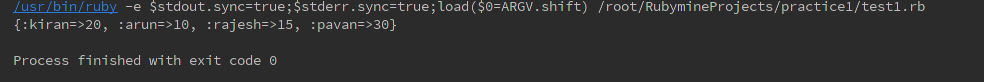
hash={kiran:20,arun:10,rajesh:15,pavan:30}

file1=File.new('sample.yml','w')

puts hash

file1.puts YAML.dump(hash)

output:



reading and modifying yml file

file2=File.open('sample.yml','r+')

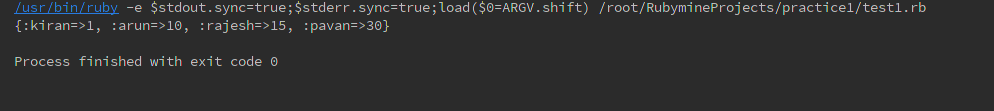
yam\_hash=YAML.load(file2.read)

yam\_hash[:kiran]=1

puts yam\_hash.inspect

file2.puts YAML.dump(yam\_hash)

output:



6. Write a Sample ruby program for Parsing YAML

answer:

require 'yaml'

rubyclass=[**"kiran"**,**"pavan"**,**"rajesh"**,**"arun"**,**"jagadesh"**]

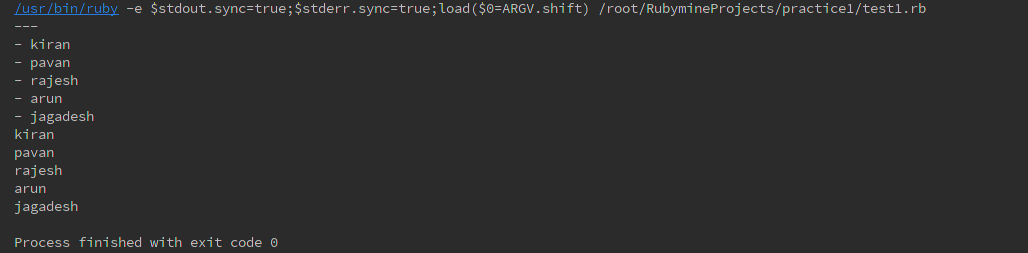
ytype=YAML::dump( rubyclass )

puts ytype

clas=YAML::load(ytype)

puts clas

output:



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

answer:

require 'yaml'

*#***creating** *a file with users and passwords*

*# hash={ "kiran"=>12345, "arun"=>12900, "anil"=>202020 }*

*# file=File****.new****('auth.yml','w')*

*# file.puts YAML.dump(hash)*

*#***loading** *a file with users and passwords*

file1=File.open('auth.yml','r')

yam\_hash=YAML.load\_file(file1)

puts **"username:"**

user=gets.chomp()

puts **"password:"**

pass=gets.chomp()

**if** pass==yam\_hash[user].to\_s

puts **"user authenticated"**

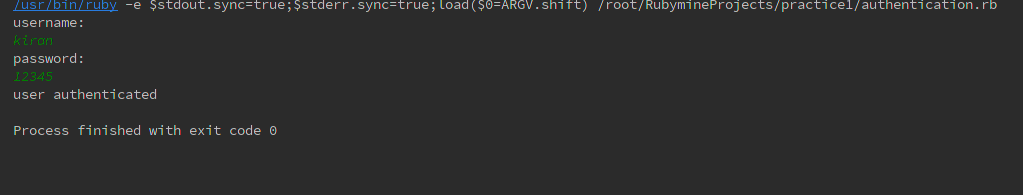
**else**

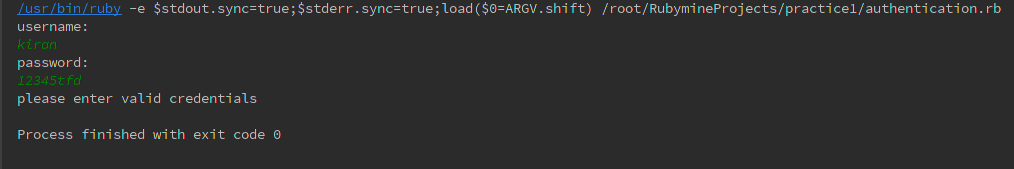
puts **"please enter valid credentials"**

**end**

file1.close()

output:





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

answer:

require **"mysql"** *#* ***if*** *needed*

con=Mysql.new('localhost','kiran','kiran','testdb')

*con.query("CREATE TABLE IF NOT EXISTS*

*employee(Id INT PRIMARY KEY AUTO\_INCREMENT, Name VARCHAR(25) , Role VARCHAR(20))")*

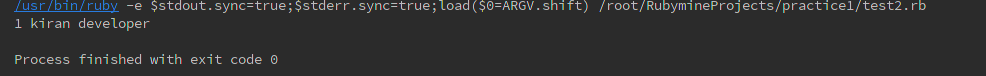
con.query(**"INSERT INTO employee(name,role) VALUES('kiran','developer')"**)

result1=con.query('select \* from employee')

puts result1.fetch\_row.join(' ')

con.close

output:



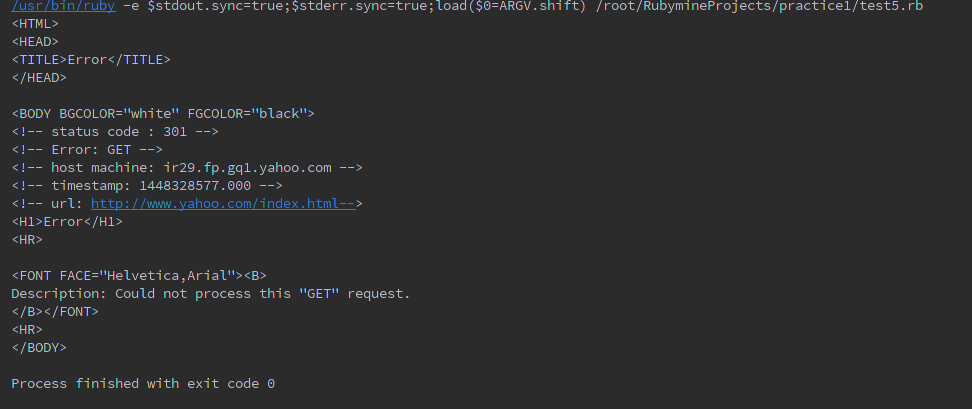
9. Write a program that creates a connection to an HTTP server. Use net/http

answer:

require 'net/http'

puts Net::HTTP.*get*('www.yahoo.com','/index.html')

output:



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