WEB APPLICATION DEVELOPMENT

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ASSIGNMENT 1

LINUX AND RUBY BASICS

Q1. Describe the following Linux commands :

a) pwd : Displays the present working directory.

b) top : Used to show all the running processes

in Linux Environment.

c) man : Man is the interface used to show all

the system's manual.

d) cat : cat command allows us to create

single or multiple files, view contain of file, concatenate files and

redirect output in terminal or files.

e) chmod : chmod changes the permissions of each

given file according to mode, where mode describes the permissions to

modify. Mode can be specified with octal numbers or with letters.

Q2. Difference between chmod a+x, chmode 755,

chmod +x

chmod a+x modifies the argument's mode

while chmod 755 sets it.

Q3. Describe REPL

REPL stands for Read Eval Print Loop and it

represents a computer environment like a Windows console or

Unix/Linux shell where a command is entered and the system responds

with an output in an interactive mode. Node.js or Node comes

bundled with a REPL environment. It performs the following tasks −

Read − Reads user's input, parses the

input into JavaScript data-structure, and stores in memory.

Eval − Takes and evaluates the data

structure.

Print − Prints the result.

Loop − Loops the above command until the

user presses ctrl-c twice.

The REPL feature of Node is very useful in

experimenting with Node.js codes and to debug JavaScript codes.

Q4. Iterators in ruby.

a) Ruby each Iterator:

The each iterator returns all the elements of an

array or a hash.

b) Ruby collect Iterator:

The collect iterator returns all the

elements of a collection.

Q5. Write a ruby program for operator

overloading :

class Tester1

def initialize x

@x = x

end

def +(y)

@x.to\_s + y.to\_s

end

end

a = Tester1.new 11.to\_s

puts(a+22)

ninad@ninad-HP-Pavilion-15-Notebook-PC:~/WAD$

ruby test.rb

1122

ninad@ninad-HP-Pavilion-15-Notebook-PC:~/WAD$