Finolex Academy of Management and Technology, Ratnagiri

Department of Information Technology

Subject:	**Networking Lab (ITL401)**		
Class:	**SE IT / Semester – IV (CBCGS) / Academic year: 2017-18**		
Name of Student:	**Kazi Jawwad A Rahim**		
Roll No:	**28**	**Date of performance (DOP) :**	
Experiment No:	**03**	**Date of checking (DOC) :**	
Title: Introduction to Tcl Hello programming.			
Marks:		**Teacher's Signature:**	

1. Aim: To Understand and implement Tcl programming.

2. Prerequisites:

Knowledge of

1. Basic concepts of computer programming.
2. Basic understanding of working with test editor and command line.

3. Hardware Requirements:

1. PC with minimum 2GB RAM

4. Software Requirements:

1. Linux (Ubuntu 10.04)
2. ns-2.34 package
3. Text editor

5. Learning Objectives:

1. To get familiar with basics of Tcl language.
2. To understand the working and syntax of basics NS2.

6. Course Objectives Applicable: LO 1, LO 2

7. Program Outcomes Applicable: PO2, PO4

8. Program Education Objectives Applicable: 1

Open a text editor and write the codes there and save it with **.tcl** file extension

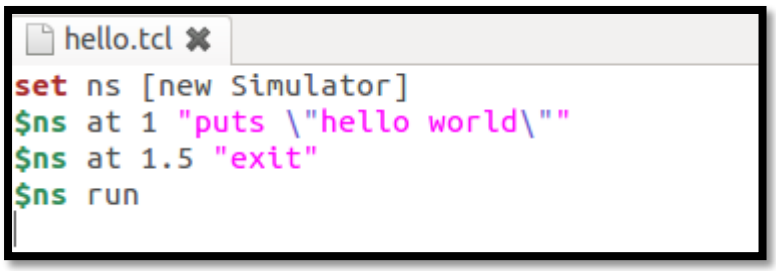
Example: hello.tcl :

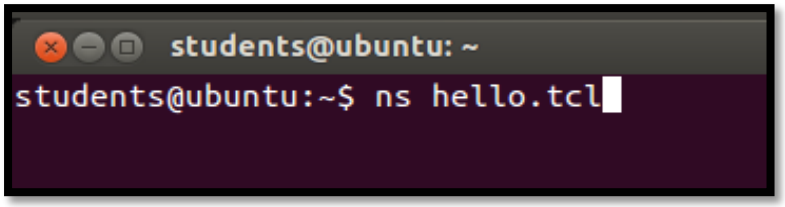
SOURCE CODE:

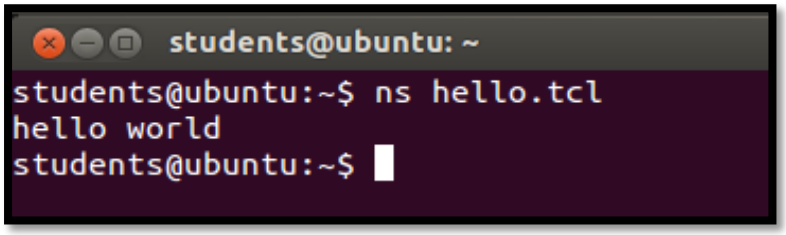
```
set ns [new Simulator]
$ns at 1 "puts \"hello world\""
$ns at 1.5 "exit"
$ns run
```

Open the terminal and execute the hello.tcl by $ **ns hello.tcl**

OUTPUT:







13. Experiment/Assignment Evaluation

SR	Parameters	Weight	Excellent	Good	Average	Poor	Not as per requirement
		Scale Factor ->	5	4	3	2	0
1	Technical Understanding	25					
2	Performance / Execution	25					
3	Question Answers	20					
4	Punctuality	20					
5	Presentation	10					
	Total out of 100 --> #(to be converted as per term-work evaluation applicable to the subject)		**∑ (Weight * Scale Factor)/5 = _____**				

References:

[1] http://www.jgyan.com/ns2/trace%20file.php
[2] https://www.tcl.tk/man/tcl8.5/tutorial/Tcl1.html
[3] http://www.jgyan.com/ns2/link%20command.php

Viva Questions

1. What is the use of set command in Tcl?
2. What are the benefits of Tcl?