

COMPUTER PROGRAMMING LAB

(BITS Pilani - K K Birla Campus)

Sem 2 2018-19/Lab 03 – Shell Scripting

Sections 4, 5 and 6 – Tuesday 5:00 pm to 6:15 pm

Course No: CS F111

Total: 05 Marks

Write a shell script to calculate the n^{th} Fibonacci number

$$\text{Fib}(0) = 0$$

$$\text{Fib}(1) = 1$$

$$\text{Fib}(n) = \text{Fib}(n-1) + \text{Fib}(n-2)$$

Create a directory called Lab03 in the Home Directory. (0.5 M)

I. Write a shell script ***fibN.sh*** to calculate the value of $\text{Fib}(n)$, where

i. Take the number (n) from the user as input. ($n \geq 2$) (0.5 M)

ii. Create a file called ***result*** and put n and $\text{Fib}(n)$ calculated in the file. (1 M)

II. Create a file ***worldCup.txt*** with the following contents in it which is comma separated in the format:

Date, Day, Team X Vs Team Y, Match # , Afternoon/Evening, Venue

Write a shell script ***createTeamSchedule.sh*** which creates files for each team with their matches listed in them.

For the file provided to you, each file should have the team name as the file name.

For Example, India Team Schedule will be in ***India.txt*** (3 M)