Lab2.2

Objectives: -

After completion of this lab activity the student will be able to: -
- o Handle File I/O Operation
- o Use Regsub command

Steps: -

1) Create a tcl script named lab2_2.tcl
2) Display on the screen the following message
   - o "**** File I/O & Regsub Lab****"
3) Open interface.txt file for reading
4) Read the data in interface.txt file
5) Substitute **input** word by **reg** word in the file data
6) Substitute **output** word by **wire** word in the file data
7) Add a prefix to all the input port names >> **i_**
8) Add a prefix to all the output port names >> **o_**
9) Add a semi colon after all the input and output ports
10)   Open tb.txt file for writing
11)   Write the new string to tb.txt file

The Target New String: -

```
reg  [3:0]   i_IN;
reg          i_Load;
reg          i_Up;
reg          i_Down;
reg          i_CLK;
wire         o_High;
wire [3:0]  o_Counter;
wire         o_Low;
```