

Lab1.1

Objectives: -

After completion of this lab activity the student will be able to: -

- Use addition, subtraction, multiplication, division and reminder
- Use expr mathematical functions

Steps: -

- 1) Create a tcl script named lab1.1.tcl
- 2) Display on the screen the following message
 - ****** Arithmetic Operations on Integer Operands******
- 3) Create a variable with name "A" with value "35"
- 4) Create a variable with name "B" with value "80"
- 5) Place the result (into a variable named **var00**) of the expr expression that will add A & B using **command & variable substitution**.
- 6) Place the result (into a variable named **var01**) of the expr command that will subtract A & B using **command & variable substitution**
- 7) Place the result (into a variable named **var02**) of the expr command that will multiply A & B using **command & variable substitution**.
- 8) Place the result (into a variable named **var03**) of the expr command that will divide A & B using **command & variable substitution**.
- 9) Place the result (into a variable named **var04**) of the expr command that will reminder A over B using **command & variable substitution**.
- 10) Display the contents of **var00** & **var01** & **var02** & **var03** & **var04** with the type of operation using **variable substitution**.
 - Ex of displayed message in addition operation: **A + B = 115**

- 11) Display on the screen the following message
 - ****** Arithmetic Operations on Floating Operands******
- 12) Create a variable with name "C" with value "35.0"
- 13) Create a variable with name "D" with value "80"
- 14) Place the result (into a variable **var05**) of the expr command that will add C & D using **command & variable substitution**.
- 15) Place the result (into a variable **var06**) of the expr command that will subtract C & D using **command & variable substitution**.
- 16) Place the result (into a variable **var07**) of the expr command that will multiply C & D using **command & variable substitution**.
- 17) Place the result (into a variable **var08**) of the expr command that will divide C & D using **command & variable substitution**.
- 18) Place the result (into a variable **var09**) of the expr command that will remainder A over B using **command & variable substitution**.
- 19) Display the contents of **var05** & **var06** & **var07** & **var08** & **var09** with the type of operation using **variable substitution**.
 - Ex of displayed message in addition operation: **A + B = 115.0**