

Assignment 3.0

Steps: -

- 1) Create a tcl script named Ass3.0.tcl
- 2) Display on the screen the following message
 - "**** Reporting Files types & change files paths ****"
- 3) Create an array of name "Files", the **keys** of this array are the names of different files and the value of each key is the Linux path of the file

Key	Value
uart_tx_top.v	/users/alieltemsah/projects/rtl
Serializer.v	/users/alieltemsah/projects/rtl
fsm_ctrl.v	/users/alieltemsah/projects/rtl
synth.tcl	/users/alieltemsah/projects/scripts
timing.rpt	/users/alieltemsah/projects/reports
power.rpt	/users/alieltemsah/projects/reports
area.rpt	/users/alieltemsah/projects/reports

- 4) Create a procedure of name "pfiletype" that take a **list argument**, the contents of the list are names of files and the function will display on the screen the type of each file, for example: -
 - uart_tx_top is a Verilog file
 - area is report file

Hint: Pass to the function the keys of the array

Sometimes we need to replace the hierarchy of the files.

5) in this assignment we need to replace the username “alieltemsah” by your user name, for example if your name is Mostafa Mohamed, the paths of the files should be

Paths
/users/MostafaMohamed/projects/rtl
/users/ MostafaMohamed /projects/rtl
/users/ MostafaMohamed /projects/rtl
/users/ MostafaMohamed /projects/scripts
/users/ MostafaMohamed /projects/reports
/users/ MostafaMohamed /projects/reports
/users/ MostafaMohamed /projects/reports

Display the new paths on the screen.

Hint: Use regsub command