**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 \*\*\*\*"

1. 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 |

1. 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.**

1. 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