Assignment 3 Instructions

Please read the below instructions carefully.

1. Clone Assignment 3. Write answers in the downloaded word file and rename it to *assignment3.docx*. Export it as a pdf named *assignment3.pdf*.
2. In addition to writing code in the word file, you have to create individual files for questions or sub-questions that require code. Such questions have **"Code Required"** written besides them. For example:
    a. In Question 3(a), code should be written in file *three_a.lus* file.
    b. In Question 6, code should be written in file *six.ept* and so on. **(Updated Feb 14 11.30)**
3. Please follow the definition of nodes (names, inputs and outputs) exactly as specified in the assignment.
4. Select and compress all these files in a zip (no intermediate folder) and name it *assignment3_<rollno>.zip* and submit it on moodle.

Additional Instructions **(Updated Feb 9)**

simulate.sh is a utility script for simulating heptagon nodes. It is a replacement for many commands given in **section 4 of installation** but it can only be used with simple types such as bool, int, real. Arrays and complex types can't be simulated. If you try, it'll throw an error.

do this once
```
chmod u+x simulate.sh
```

after that execute simulate.sh with name of the node and path to heptagon file
```
simulate.sh -s <name-of-node> -p </path/to/heptagon/code.ept>
```
E.g.
```
simulate.sh -s minsquare -p try1.ept
```

Optionally you can put this script in your path and use it from anywhere. At the end of your ~/.bashrc or ~/.bash_profile,

```
export PATH="$PATH:/home/kirito/heptsim/"
```

where **simulate.sh** is contained in **/home/kirito/heptsim** directory