PRACTICAL-3

AIM

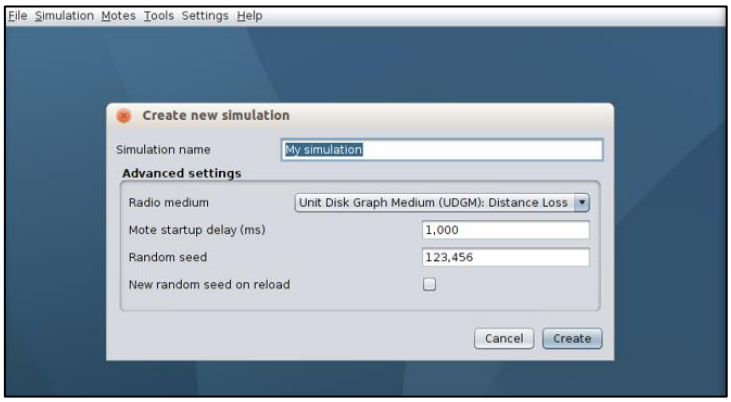
Simulate Hello World program using Cooja

THEORY

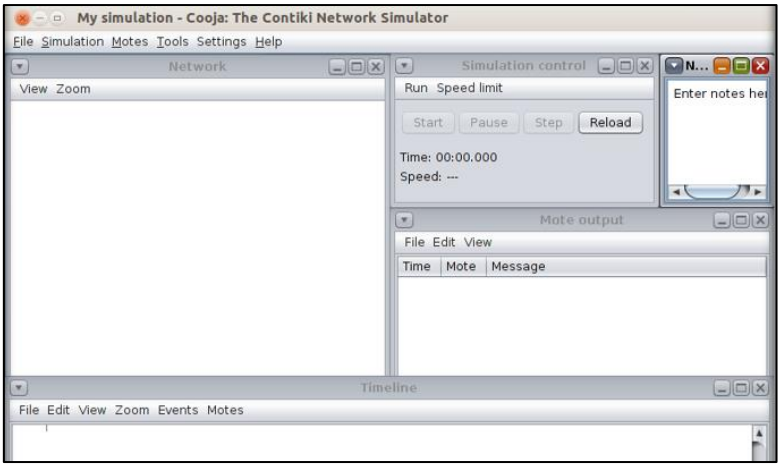
- Hello World is the most basic and introductory program which is performed as a convention by newbie whenever, we start learning any new language or software.
- We will do the same in Cooja.
- For simplicity, we will perform using the pre-built example of hello world which is already available in the examples folder.

PRACTICAL IMPLEMENTATION

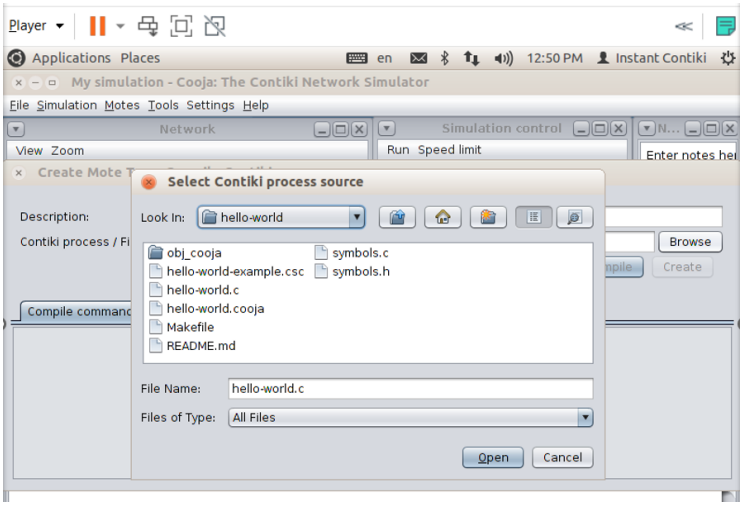
- Open Cooja simulator.
- Go to file > create new simulation



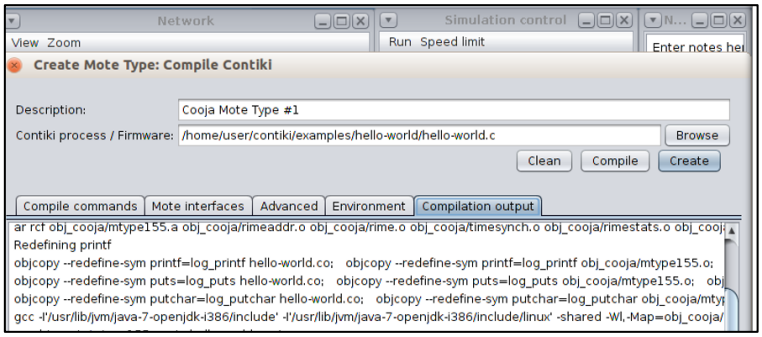
- Give it any name you like and keep the rest of settings as default.



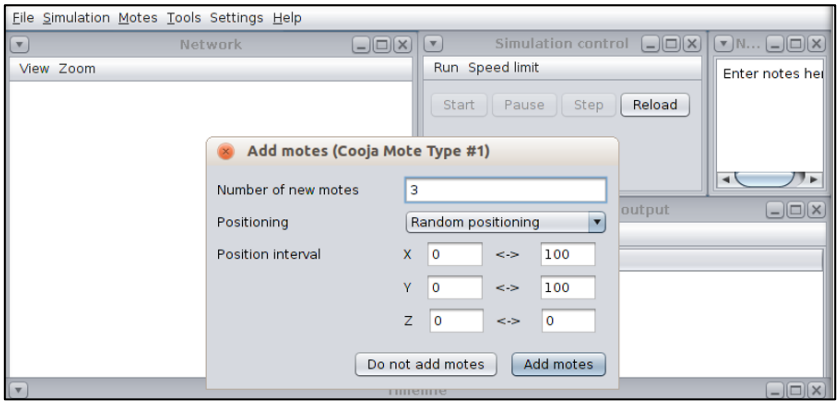
- We will add 3 cooja motes.
- In Contiki process/firmware, browse to hello-world folder in examples.

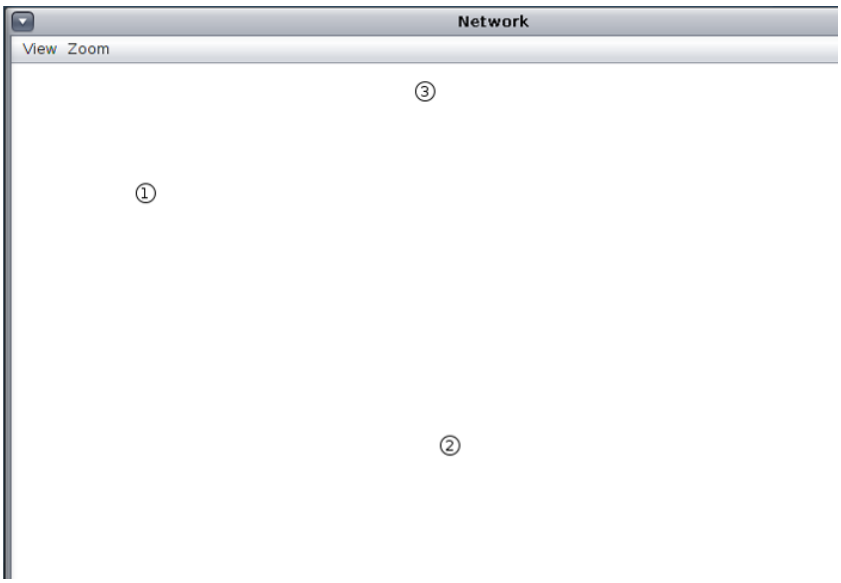


- For that, go to Motes > Add motes > Create new mote type > Cooja mote.

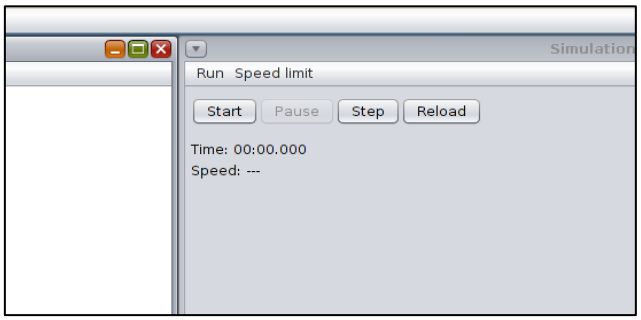


- It will compile the program and show compilation output.
- Click on “create”

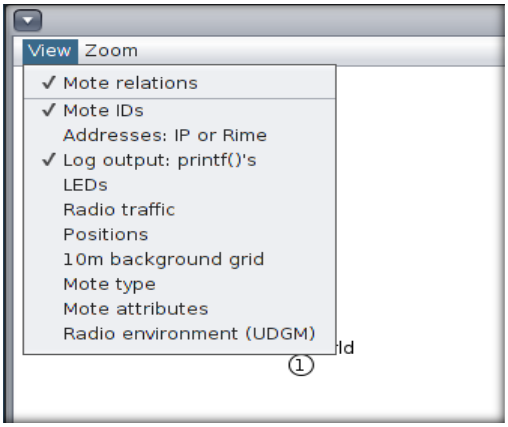


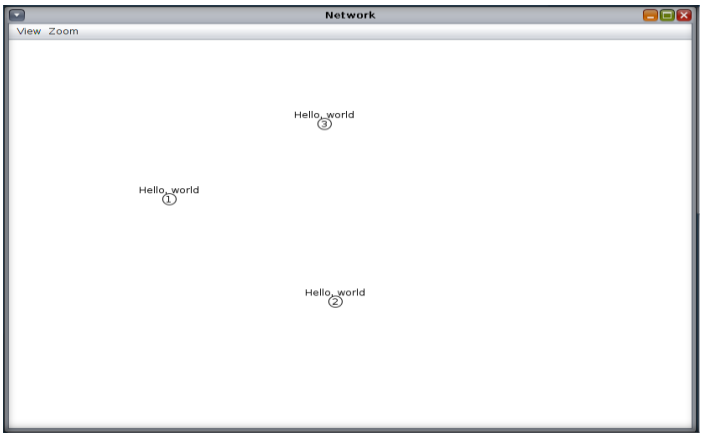


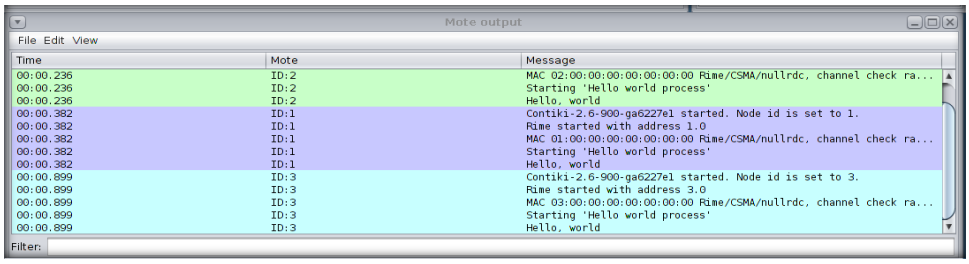
- 3 motes will be added at random positions now.
- To run the simulation, click on start.



- Go to view > Log output: printf()'s







CONCLUSION

In this practical, I learnt regarding how to simulate hello world program in Cooja.