

Pseudo-code

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```
Function genDissector(params)  
  if n_of_params  $\neq$  3 then  
     $\sqsubset$  return 0  
  protocol  $\leftarrow$  decodeJsonFile(jsonFileName)  
  output  $\leftarrow$  openOutput(outputFileName)  
  generateProtocol(protocol, output)  
  generateFields(protocol, output)  
  setFields(protocol, out)  
  generateDissector(protocol, output)  
  setDependencies(protocol, output)  
   $\sqsubset$  return 0
```

where:

generateProtocol(*protocol*, *output*): generates the Lua code to register a new protocol

generateFields(*protocol*, *output*): generates the Lua code to create fields's variables

setFields(*protocol*, *output*): generates the Lua code to register the fields in the protocol

generateDissector(*protocol*, *output*): generates the Lua code to add the fields to the dissection's tree

setDependencies(*protocol*, *output*): generates the Lua code to define the upper layer protocol used and tcp/udp ports