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1  """
2  COSC364 2022-S1 Assignment: RIP routing
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4  File: rip_init.py
5  """
6
7
8  # Import Modules
9  from IO_parser import router_config
10 from rip_router import Router
11
12
13 # Initialise router
14 def rip_router_init(config_file_name):
15     """
16     Parameter:
17     config_file_name: the name of the config file to initialise a new
18     router object.
19
20     Return: a new Router object
21     """
22     config = router_config(config_file_name)
23     router = Router(config['router_id'],
24                     config['input_ports'],
25                     config['output_ports_metric_id'],
26                     config['period'],
27                     config['timeout'])
28     print(f"Created Router {router.get_router_id()}")
29     return router

```