

```
1 import mlair
2 import logging
3
4 class CustomStage(mlair.RunEnvironment):
5     """A custom MLAir stage for demonstration."""
6
7     def __init__(self, test_string):
8         super().__init__() # always call super init method
9         self._run(test_string) # call a class method
10
11     def _run(self, test_string):
12         logging.info("Just running a custom stage.")
13         logging.info("test_string = " + test_string)
14         epochs = self.data_store.get("epochs")
15         logging.info("epochs = " + str(epochs))
16
17
18 # create your custom MLAir workflow
19 CustomWorkflow = mlair.Workflow()
20 # provide stages without initialisation
21 CustomWorkflow.add(mlair.ExperimentSetup, epochs=128)
22 # add also keyword arguments for a specific stage
23 CustomWorkflow.add(CustomStage, test_string="Hello World")
24 # finally execute custom workflow in order of adding
25 CustomWorkflow.run()
```

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INFO: Workflow started

...

INFO: ExperimentSetup finished after 00:00:12 (hh:mm:ss)

INFO: CustomStage started

INFO: Just running a custom stage.

INFO: test\_string = Hello World

INFO: epochs = 128

INFO: CustomStage finished after 00:00:01 (hh:mm:ss)

INFO: Workflow finished after 00:00:13 (hh:mm:ss)

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