

Classroom Assignment <14>: Simple Inheritance

Learning Objective:

Understand how inheritance works in Python using a workplace scenario.

Expected Completion Time:

Best Case: 15 minutes

Average Case: 20 minutes

Assignment Details:

Create two classes:

1. `Employee` → Base class with attributes `name` and `employee_id`.
2. `Tester` → Child class inheriting from `Employee`, with an additional method `run_tests()` that prints "`<name> is running automation tests`".

Requirements:

- Create an `Employee` class with `__init__()` to store employee name and ID.
- Create a `Tester` class that inherits from `Employee`.
- Add a method `run_tests()` in `Tester`.
- Create an object of `Tester` and demonstrate both parent and child methods.

Hints to Solve:

- Use `super().__init__()` to reuse the parent constructor.
- Use `print()` statements to show data inheritance.

Expected Outcome:

- Understand how Python inheritance allows reusing attributes and methods from parent classes.