

What is claimed is:

1. A method including:
analyzing, by a processor, a first version of a computer program, the analyzing including identifying a first data processing element included in the first version of the computer program, the first data processing element referencing a first data source external to the first version of the computer program;
identifying a second data source different from the first data source;
generating a data source element distinct from the second data source and that represents the second data source; and
generating a second version of the computer program, the second version of the computer program including the generated data source element and a second data processing element that is based on the first data processing element;
in which, in the second version of the computer program, the second data processing element references the generated data source element.
2. The method of claim 1, in which identifying the second data source includes determining a location of the second data source.
3. The method of claim 2, in which determining the location of the second data source comprises receiving an input indicative of the location.
4. The method of claim 1, including presenting, in a user interface, an identifier of the identified first data processing element, the first data source, or both.
5. The method of claim 4, including receiving a selection of the identified first data processing element, the first data source, or both.

6. The method of claim 1, in which analyzing the first version of the computer program includes analyzing an input flow into at least one of the data processing elements in the first version of the computer program.
7. The method of claim 1, including analyzing the first version of the computer program at runtime of the computer program.
8. The method of claim 1, in which the computer program comprises a graph.
9. The method of claim 8, in which generating the second version of the computer program comprises locating the generated data source element at an input flow to the second data processing element.
10. The method of claim 1, in which data from the second data source has the same format as data from the first data source.
11. The method of claim 1, in which generating the data source element comprises defining an overlay specification for the generated data source element.
12. The method of claim 1, including populating the second data source with data based on data from the first data source.
13. The method of claim 1, in which, in the first version of the computer program, a third data processing element references a first data destination external to the first version of the computer program, and in which, in the second version of the computer program, a fourth data processing element that is based on the third data processing element references a second data destination different from the first data destination.
14. The method of claim 1, in which the method includes:
identifying a third data processing element included in the first version of the computer program, the third data processing element referencing a first data destination external to the first version of the computer program; and

generating an output element that represents a second data destination different from the first data destination;

in which the second version of the computer program includes the generated output element and a fourth data processing element that is based on the third data processing element, and

in which, in the second version of the computer program, the fourth data processing element references the generated output element.

15. The method of claim 14, including determining a location of the second data destination.
16. The method of claim 14, in which determining the location of the second data destination comprises receiving an input indicative of the location.
17. The method of claim 1, including executing the second version of the computer program.
18. The method of claim 1, in which executing the second version of the computer program enables debugging of the computer program.
19. The method of claim 1, in which generating the second version of at least a portion of the computer program includes generating a copy of the portion of the computer program.
20. The method of claim 19, including modifying the copy of the portion of the computer program to include the generated data source element.
21. A system including:
means for analyzing, by a processor, a first version of a computer program, the analyzing including identifying a first data processing element included in the first version of the computer program, the first data processing element referencing a first data source external to the first version of the computer program;

means for identifying a second data source different from the first data source;

means for generating a data source element distinct from the second data source and that represents the second data source; and

means for generating a second version of the computer program, the second version of the computer program including the generated data source element and a second data processing element that is based on the first data processing element;

in which, in the second version of the computer program, the second data processing element references the generated data source element.

22. A system including:
- a processor coupled to a memory, the processor and memory configured to perform the method of any one of claims 1 to 20.
23. A non-transitory computer-readable medium storing instructions for causing a computing system to perform the method of any one of claims 1 to 20.