

Lab 7

COMPILERS SPRING 2022

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1.

In the diagram, it is showing what happens when you try print a variable. You first have to check the symbol table to see if the variable was declared. In this case since the variable wasn't declared in the current scope, you also have to go to the parent of the current symbol table to check if it is in there. That is where this variable was declared. If there were any other variables or statements in the print statement they would also have to be type checked, however there are none so after checking for the variable in the symbol tables you are done.