

Faults and Corrections

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- This document provides the faults that have been found and any corrections made to the Printtokens.java file.

Line Number	Fault Detected	Correction to Fix	Notes
122	if(ch == "")id=2;	Changed id=2 to id=1;	Corrected token initialization to align with the string functionality.
123	if(ch ==59)id=1;	Changed id=1 to id=2;	Corrected comment token initialization to align with the intended functionality.
296	if (str.length() > 2 && str.charAt(0) == '#' Character.isLetter(str.charAt(1)))	Changed length > 2 to length == 2 and to &&	Updated conditions for recognizing character constants.
315	if(Character.isDigit(str.charAt(i + 1)))	Changed i + 1 to i	Fixed indexing issue to correctly iterate through the numeric constant.
342	return true;	Changed true to false;	Corrected return value for string constants that are not properly closed.
366	return false;	Changed false to true;	Fixed identifier recognition logic for valid identifiers.
369	return true;	Changed true to false;	Fixed invalid identifier recognition logic.
382	if (str.equals(""))	Changed "" to "(";	Corrected special symbol recognition for left parenthesis.
470	fname = new String();	Commented out the line;	Ensured fname is set to null if no filename is provided.

475	System.exit(0);	Replaced with return;	Avoided abrupt program termination by returning gracefully.
486	System.exit(0);	Replaced with return;	Ensured graceful program termination after main logic.