1. Some nonsensical integers I inputted into the original program included inputting a negative number for the number of people surveyed. The program continued to run and created negative percentages for the percentage of people who approved and disapproved of the president.

Another integer I inputted that was nonsensical was inputting a greater number of people who approved the president than the total number of people surveyed, which would yield a percentage over 100%. For example, in a sample survey of 20 people, 35 approved the way the president was handling his job, yielding a percentage of 175.

1. In step 6, I introduced a logic error into this program by changing the multiplication sign to an addition symbol for the percentage of people who approve the way the president is handling his job in line 20. This does not prevent the program from running, but does produce inaccurate results, always calculating the percentage of people who approve of the president as a 100%. This also causes the output to be the percentage of people who approve are greater than the percentage of people who disapprove.
2. In step 7, I introduced two syntax errors that prevent the program to successfully compile. The first syntax error I introduced was removing the int from numSurveyed variable in line 9. Variables always need to be declared, and numSurveyed was declared as an integer. Removing this declaration prevents the code from compiling. When I attempted to run the program, I received the error message, ‘numSurveyed’ undeclared identifier. Another syntax error I introduced was removing the semicolon, which produced the error message “syntax error: missing ';' before identifier 'cin’” when I tried to compile it.