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Q5) If input is as follows

democraticSeats= -100

republicanSeats= 150

independentSeats= 50

we get the percentages of seats as -33.33, 50 and 16.67 respectively. In addition to having a negative percentage for democraticSeats, the total does not sum up to 100, making these results nonsensical, despite integer values being inputted.

Q6) For the logic error, I changed the operators for calculating the total percentage of seats obtained by a particular party. The changes were:

pctRep = 100 + republicanSeats/total

pctDem= 100 \* democraticSeats \* total

There were no errors displayed by the compiler, but the resulting percentages were nonsensical (did not total up to 100)

Q7) Some compiler errors I introduced were

1. Forgetting to put a semicolon after a line in the code – In this case, the compiler reported “Expected ';' after expression.”
2. Mistyping ‘int’ as ‘in’ – In this case, the compiler reported “Unknown type name 'in'”
3. Using ‘print’ instead of ‘cout’ – In this case, the compiler reported “Invalid operands to binary expression ('int (\*)(const char \*, ...)' an”.