I wrote two calculator programs one called calculator.py the other bad-calculator.py

The first one (calculator.py) is a good example of a calculator program with each type of calculation in a separate function. The program uses a while loop to ensure good input and if else statements to figure out which option was chosen.

The second one (bad-calculator.py) is a bad example of a calculator program with functions that are not used and even one that is not applicable to a typical calculator. It does not have a while loop giving the possibility of bad input. It also has if statements but this time the if statements do not even use the given functions. Code is repetitive violating the DRY principle, the code is divided into sections which are not used violating separation of concerns, it has a function that is not used violating YAGNI and does not have any comments.