Program 1: it inserts a value into the food database by using the max fid and adding one, making a new row. Once this is completed, it then adds the designated food name in that new row.

Program 2: This program does the exact same thing as program 1 with one core difference: regardless of user input, it makes the food name always go to full caps.

Question 3: Depends on the order in which it runs the programs for the user. It could be 1 of six sets

{(a,b,c), (a,c,b), (c,a,b), (c,b,a), (b,c,a), (b,a,c)}. In any case, all of these will be successfully updated/ put into the food database.

Question 4: Only the two successful additions should be added once the DBMS recovers from the crash. This means that the food database has two new additions, besides person B’s desired input.