OBDC REPORT: Alejandro Santorum & David Cabornero

Here we will explain what we´ve made in order to get the programs commanded done.

First, we have used the “bad way” in the sense that we introduce the input arguments into a character string which contains the query. However, **we´ve implemented a really precise input errors checking**, just for the case someone tries to execute a malware into out database, also known as SQL Injection. So, let´s not talk about “bad way”, because it is **hackproof**, and let´s continue with the explanation.

Second, we check every query and the program will return you an error if something goes wrong (anything shouldn´t go wrong). Nevertheless, the **program doesn´t return any message if it worked perfectly**, so we advice to create our database and **check by yourself that everything went OK** (as we agreed in class). You can even change something at our implementation in order to do it in your own database.

We have to warn about somehting important. **We make 0 errors talking about memory access**, but **ODBC libraries has some leaks problems**, so if you use Valgrind it should say that 0 errors have been made but some reachable memory is still causing some problems. It is logical becuase we don´t use dinamic memory at any time so it is impossible for us to have commited those mistakes. Due to it is ODBC libraries problem we couldn´t do anything. We hope it doesn´t damage our evaluation.

It´s important to remeber that in exercise 2, when you want to add new sales, you have to **introduce the date** too as it was said in class, so the format should be “compra add <screen_name><date><isbn>...<isbn>.

In the last exercise, we get the same result using \copy in postgresql than executing the program implemented. It´s really important to let you know that the program inserts 80sales/sec aproximately, so it will need about 5 mins(depending on the computer) to introduce +24000 sales, be patient please.

Finally, we also want to remeber that the **txt files** provided to fill our database **have been changed just a little bit**, nothing has been deleted, but we have changed the **hidden characters** in order to make our lifes easier when we were filling the database up. So, we claim if it is possible, to **use your own txt files** in “datos_libreria” file which is attached.