

## Lab 6A\_Addendum: Connections between Toad Modeler and PostgreSQL

– Reverse Engineering and Forward Engineering

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### **Reverse Engineering: From a full developed database getting an ER diagram for reference:**

1. Click on the File-Reverse Engineering->Connections menu item.
2. Click the new connection icon in the tool strip. It should be the first one to the left.
3. Give the connection a name. i.e. "Lab6a Practice" and click Next.
4. Select PostgreSQL 9.5 in the list of data sources and click Next.
5. Accept "Native Connection" and click Next.
6. Enter the following values in the connection information dialog:
  - a. Hostname: localhost
  - b. Username: postgres
  - c. Password: administrator password that you entered in Lab 1
  - d. Check off Save Password
  - e. Database name: lab6A and click Next.
  - f. Click Next and Finish.
7. Make sure you leave all the default options until you come to the last dialogue box where you have to manually check and select all the tables before hitting the execute button.
8. Use Export As Image – PNG to save the model. Do step 9, without closing the window.

### **Forward Engineering: From design to code**

9. Click on the Model->Generate DDL Script->Run menu item.
  10. Select a logical folder for your output file. Remember to name it properly according to the lab instructions.
  11. Click Finish.
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