README

1. Download PostgreSQL database management software on your Linux Environment, if have not already.
2. Restore the database (ConsumerComplaintsAndACS) from the backup file named [ConsumerComplaintsAndACS\_database\_backup.backup](https://github.com/han-zheng/CFPB_Assessment/blob/CFPB_Assessment/ConsumerComplaintsAndACS_database_backup.backup) that I’ve put on GitHub. This database restore contains tables for CFPB’s Consumer Complaints data and Census Bureau’s income data and geography data, as well as 2 lookup tables for the Census table column header descriptions.
3. Use the username “postgres” and password “supw1@” to access the database.
4. Download Eclipse IDE on your Linux Environment, if have not already.
5. Open the [CFPB\_Java\_HTML\_Report\_Generator.java](https://github.com/han-zheng/CFPB_Assessment/blob/CFPB_Assessment/CFPB_Java_HTML_Report_Generator.java) class on your Eclipse IDE and click the Run button. This class has a main() method which will call 2 other methods that will create 2 HTML files named Report1.html and Report2.html. These 2 HTML files are the generated HTML report that shows summary statistics.
6. In the [CFPB\_Java\_HTML\_Report\_Generator.java](https://github.com/han-zheng/CFPB_Assessment/blob/CFPB_Assessment/CFPB_Java_HTML_Report_Generator.java) class, these lines of code are used to connect to the PostgreSQL database:

Class.forName("org.postgresql.Driver");

C=DriverManager.getConnection("jdbc:postgresql://localhost:5432/ConsumerComplaintsAndACS", "postgres","supw1@");

1. Note: I have put the files named Report1.html and Report2.html onto my GitHub as cached copies in case you want to see these html report result files directly, or you can run my [CFPB\_Java\_HTML\_Report\_Generator.java](https://github.com/han-zheng/CFPB_Assessment/blob/CFPB_Assessment/CFPB_Java_HTML_Report_Generator.java) class in an Eclipse IDE to reproduce these HTML report files.