**Database Project (SWE3033) (Fall 2023)**

**Homework #3 (50pts, Due date: 09/27)**

**Student ID**: 2020315798

**Student Name**: Choi Jin Woo

**Instruction:** We provided all codes and datasets Implement two types of clauses, WHERE and JOIN. Please write your code to get correct result.

Submit two files as follows:

* ‘DBP\_HW3\_STUDENTID.zip’
  + Code: STUDENTID\_Code.zip
  + Document: DBP\_HW3\_STUDENTID.pdf

1. **[20pts]** Given the dataset of employees and departments that you used in the lab session, write the code to find the names of all employees who are not in the Finance department and have a salary greater than or equal to 5000, and show your result.

Answer: Enter your **code and result** here. You must show your result, either an image or text.

|  |
| --- |
| [mapper.py]    [reducer.py]    [Result] |

2. **[30pts]** We have provided the code with inner join implemented in the lab session. Modify this code to implement left join and right join and show your result.

Answer: Enter your **code and result** here. You must show your result, either an image or text.

**(1) Left join**

|  |
| --- |
| [mapper.py]    [reducer.py]    [Result] |

|  |
| --- |
| **(2) Right join**  [mapper.py]    [reducer.py]    [Result] |