The complete description of each and every file present in this folder is given below:

1. Exercise1.py:

This file contains the extraction of data from the given .txt files and from the .json files. After this the data is fetched in a manner that all the records whatever it may be are represented in a usable format. After this the requirements like Staff ID, Staff Name, PPSN, Date, Hours, Rate, Regular, Overtime etc. are fetched out into functions for each Staff ID and each date.

Also the query to connect the database and sending the data to database is used.

The Exercise1.Py is created to meet the requirements of the exercise 1

2. Employees.txt, Hours.txt, tax.json:

These are the .txt and .json files created for the data given in the requirement sheet of the project.

3. PaySlipGenerator1.py, PaySlipGenerator2.py, PaySlipGenerator3.py, PaySlipGenerator3.py, PaySlipGenerator4.py, PaySlipGenerator5.py, PaySlipGenerator6.py:

These are the python files generated to call the functions individually to generate the pay slip for each date of each Staff ID. In these .py files functions are called individually to generate the pay slip.

4.Payslip_123456_2021_07_04.txt, Payslip_123456_2021_07_11.txt, Payslip_123456_2021_07_18.txt, Payslip_123457_2021_07_04.txt, Payslip_123457_2021_07_11.txt, Payslip_123457_2021_07_18.txt:

These are the pay slips that are generated from the functions called in .py files and from the WriteToPayslip.py file.

5. WriteToPayslip.py:

This file is to generate the pay slips from all the PaySlipGenerator python files and creating a new .txt file for generated pay slips.

6. Exercise2.py:

This file is generated to meet the requirements of the Exercise 2 which is to output the weekly average gross pay for all workers, for each week where there are pay slips issued, and the total gross pay for each employee for the last six weeks. The output is shown in the terminal as required.