

Write a java console program to implement the below scenario. You should follow the OOP concepts and best practices.

ABC pvt ltd is a company who needs to create an employee management system. Company has several departments which are HR, IT, administration, finance, engineering.

Basically employees of the company are categorized into six stages. Six categories are tier 5 to tier 0.

Tier 5 is internship and all other tiers are permanent employees.

Through the system, employees can be registered, updated and deactivated/activated.

In the salary calculation, you should consider the following factors.

Tier 5 employees are paid only a fixed allowance; 20,000LKR.

All permanent employees have a basic salary, which depends on tier and department.

	HR	IT	Admin	Finance	Eng
5	N/A	N/A	N/A	N/A	N/A
4	35000	35000	15000	15000	60000
3	60000	60000	30000	30000	100000
2	200000	200000	200000	100000	250000
1	500000	400000	500000	500000	800000
0	800000	700000	800000	1000000	1500000

Only Tier 4 employees are eligible to get the OT rates as follows.

	HR	IT	Admin	Finance	Eng
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rate/hr	3500	3500	1500	2000	3600
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Any permanent employee might have allowances such as transport, internet bill, food, accommodation. However, those allowances are strictly pointed to an employee, not for the tier.

Deductions : All permanent employees should pay for the EPF and ETF. employees should pay 8% of the basic salary to EPF, and the company pays 12% of basic salary to EPF. Furthermore, the company will pay 2% of basic salary to the ETF.

All permanent employees are eligible to pay for the income tax to the government via company. So the company will deduct govt taxes as follows.

0-100000	0%
100001 - 140000	6%
140001 - 180000	12%
180001 - 220000	18%
220001 - 260000	24%
260001 - 300000	30%
Above 300000	36%

At the month end, the system user should be able to generate the payroll for each and every employee via the system. All monthly data should be saved.

System should be able to generate the salary slips to the employees as a .xlsx file.