

Lab Exercise 7

You need to create a Java program to produce a salary slip similar to Figure 1 and Figure 2. The salary slip contains information for university staff based on their position, whether a lecturer or admin staff. The program will print out information about salary slip containing information such as name, department, bank name, month of salary, income and deduction information and net income.

Description about income and deduction are as follow:

1. ITKA and subsistence allowances are fixed at RM 400.00 and RM 200.00 respectively.
2. Imbuhan Tetap Perumahan (ITP) for lecturer and admin staff are different.

Lecturer	Admin Staff
ITP = RM 700.00	ITP = RM 300.00

3. The zakat is calculated using formula:

$$\text{Zakat} = 1\% \times \text{basic salary}$$

4. The tax is calculated using formula:

$$\text{Tax} = 2\% \times \text{basic salary}$$

5. All university staff must join the university club and the fee is RM 5.00
6. Lecturers join club called PAKAD and has to pay RM 15 per month. While admin staff has to join admin club and pays RM 10 per month.

Please use inheritance, polymorphism, override methods and other relevant programming techniques in your code. Use array to declare and create multiple objects.

SALARY SLIP			
MONTH/YEAR:	Jan-16	DEPARTMENT:	FSKPP
BANK NAME:	MAYBANK	POSITION:	LECTURER
NAME:			
INCOME		DEDUCTION	
BASIC SALARY	MYR 3,500.00	INCOME TAX	MYR 70.00
SUBSISTENCE ALLOWANCE	MYR 200.00	UNIVERSITY CLUB FEE	MYR 5.00
ITKA ALLOWANCE	MYR 400.00	PAKAD FEE	MYR 15.00
IMBUHAN TETAP PERUMAHAN(ITP)	MYR 700.00	INSURANCE	MYR 200.00
		ZAKAT	MYR 35.00
TOTAL INCOME	MYR 4,800.00	TOTAL DEDUCTION	MYR 325.00
NETT INCOME	MYR 4,475.00		

Figure 1: Salary Slip for Lecturer

SALARY SLIP			
MONTH/YEAR:	Jan-16	DEPARTMENT:	FSKPP
BANK NAME:	MAYBANK	POSITION:	ADMIN OFFICER
NAME:			
INCOME		DEDUCTION	
BASIC SALARY	MYR 2,500.00	INCOME TAX	MYR 50.00
SUBSISTENCE ALLOWANCE	MYR 200.00	UNIVERSITY CLUB FEE	MYR 5.00
ITKA ALLOWANCE	MYR 400.00	ADMIN CLUB FEE	MYR 10.00
IMBUHAN TETAP PERUMAHAN(ITP)	MYR 300.00	ZAKAT	MYR 25.00
TOTAL INCOME	MYR 3,400.00	TOTAL DEDUCTION	MYR 90.00
NETT INCOME	MYR 3,310.00		

Figure 2: Salary Slip for Admin Staff

MONTH/YEAR : January 2016
BANK NAME : Maybank
NAME : Anonymous 1
DEPARTMENT : FSKKP
POSITION : Lecturer

INCOME
BASIC SALARY : 3500.0
SUBSISTENCE ALLOWANCE : 200
ITKA ALLOWANCE : 400
IMBUHAN TETAP PERUMAHAN : 700

DEDUCTION
INCOME TAX : 70.0
UNIVERSITY CLUB FEE : 5
ZAKAT : 35.0
PAKAD FEE : 15
INSURANCE : 200.0

TOTAL INCOME : 4800.0 TOTAL DEDUCTION : 325.0
NETT INCOME : 4475.0

MONTH/YEAR : January 2016
BANK NAME : Bank Islam
NAME : Anonymous 2
DEPARTMENT : FSKKP
POSITION : Admin Officer

INCOME
BASIC SALARY : 2500.0
SUBSISTENCE ALLOWANCE : 200
ITKA ALLOWANCE : 400
IMBUHAN TETAP PERUMAHAN : 300

DEDUCTION
INCOME TAX : 50.0
UNIVERSITY CLUB FEE : 5
ZAKAT : 25.0
ADMIN CLUB FEE : 10

TOTAL INCOME : 3400.0 TOTAL DEDUCTION : 90.0
NETT INCOME : 3310.0

Figure 3 : Sample Output