## GENERAL INFORMATION :

1. Please save the program in **another pen drive as your backup copy. Besides that, send the complete program(java codes) to my email address** [**oopsubject@gmail.com**](mailto:junaidasulaiman@gmail.com) **. The subject of your email is matric id\_section example CA09100\_C21 before 1.00 pm 30 Oktober 2010.**
2. **Hardcopy of the program** must be submitted o your lecturer within 24 hours. On the top your hardcopy, please stated clearly your name, matric no and your section.
3. Please make sure that your program is free from error even though you cannot answer all the questions.
4. This HOT will carried out 20% of your final mark.

**Instructions**

1. You need to create a program to develop the UMP’s salary system. This system has 3 classes: 1)Employee, 2)Salary and 3)ProgramTester as shown as UML Diagram at Appendix A.
2. Generally, the purpose of this system is to print out the pay slip salary staff for every month as below:

|  |  |  |
| --- | --- | --- |
| Staff Id:  Name:  Depatment:  Bank Account No:  Salary Credit Date: | Xxxx  Xxxx  Xxxxx  Xxxxx  Xxxxx |  |
| Income: |  |  |
| Basic Salary:  Imbuhan Tetap Khidmat Awam(ITKA)  Imbuhan Tetap Perumahan(ITP)  Elaun Sara Hidup  Elaun Keraian | Xxxxx  Xxxxx  Xxxxx  Xxxxx  Xxxxx |  |
|  |  | xxxxxx |
| Deduction: |  |  |
| Cukai Pendapatan  Insurans  Zakat Pendapatan  Pinjaman Perumahan  Pinjaman Kenderaan  Kelab Kebajikan dan Sukan Staff(KKDSS)  Tax | Xxxx  Xxxx  Xxxx  Xxxx  Xxxx  Xxxx  X |  |
|  |  | xxxxx |
| Nett Salary |  | xxxxxx |

Pay Slip

1. The Elaun Keraian can be allocated as table below:

|  |  |
| --- | --- |
| Gred N45 | 300.00 |
| Gred N48 | 600.00 |
| Gred N52 | 900.00 |
| Gred N54 | 1200.00 |

1. Imbuhan Tetap Perumahan can be assigned as :

|  |  |
| --- | --- |
| >Gred N48 | 1000.00 |
| <= Gred N48 | 700.00 |

1. Elaun Tetap Khidmat Awam and Elaun Sara Hidup is fixed and the amount are 300.00 and 200.00, respectively.
2. The Zakat Pendapatan can be calculated as following formula:

Zakat Pendapatan=0.25% \* income

1. The tax will be charge 0.5% from staff income when the staff income more than 2500.00 every month.
2. The fee for Kelab Kebajikan dan Sukan Staff(KKDSS) is RM3.00.
3. You need to test your program using input below:

|  |
| --- |
| Staff Id: 0015  Name:Mohd. Firdaus B. Sanusi  Department: Faculty Mechanical Engineering  Bank Account No:7-1256-09-54  Salary Credit Date:25 Oct. 2010  Gred: N45  Basic Salary: 2412.00  Insurance: 112.00  Pinjaman Perumahan:00.00  Pinjaman Kenderaan:600.00  Staff Id: 0025  Name:Mohd.Ali B. Musa  Department: Faculty Chemistry Engineering  Bank Account No:7-1660-07-45  Salary Credit Date:25 Oct. 2010  Gred: N48  Basic Salary: 5412.00  Insurance: 330.00  Pinjaman Perumahan:1110.00  Pinjaman Kenderaan:850.00  Staff Id: 0007  Name: Ahmad Razali B. Sanusi  Department: Faculty Electrical Engineering  Bank Account No:8-1298-08-88  Salary Credit Date:25 Oct. 2010  Gred: N54  Basic Salary: 15412.00  Insurance: 1239.00  Pinjaman Perumahan:2115.00  Pinjaman Kenderaan:1000.00  Staff Id: 0010  Name:Mohd. Khaled B. Mohd. Firdaus  Department: Faculty Civil Engineering  Bank Account No: 10-8756-03-14  Salary Credit Date:25 Oct. 2010  Gred: N52  Basic Salary: 8460.00  Insurance: 340.00  Pinjaman Perumahan:1200.00  Pinjaman Kenderaan:900.00 |