**The final Exercise**

Due by June 6, 20

Final submission June 13, 20

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**Problem:** Assume that you are hired in a small business company to develop a program in which the business owneris interested to have a software which takes the employees first and last name, hours worked and pay rate of each employee to make a weekly payroll.

Some of the information you have been given

Input data named as “data.txt” and it has something like

Adaline Reichel 30 25  
Santa Prosacco 40 20  
Noemy Vandervort 47 30  
Lexi OConner 28 24  
Gracie Weber 32 18  
Roscoe Johns 50 15  
Marry Joseph 61 29  
Emmett Lebsack 16 20  
Keegan Thiel 25 30  
Wellington Koelpin 40 32  
Karley Kiehn 40 33  
Doe Joe 63 40

Take the given information and Calculate

1. **Gross pay**
2. Here’s how they pay the employees
3. Hours less than or equal to 40 get paid regular
4. Hours greater than 40 &less than 60 get paid one & half for each hour they worked
5. Hours worked above 60 get paid double
6. **Net pay**
7. **Federal tax** cuts 10% from each employee regardless of marital status
8. **State** **tax** cuts4.63% from each employee regardless of marital status
9. **Other fee** cuts 8% from each employee regardless of marital status
10. **Total fees** which is the sum of federal tax, state tax, and other fees

**Needed output format**

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**Approach:**

* Please write one page of your approach for this problem and make sure you use proper names for class, methods, variables.

Name the class: Payroll

* Name Variable as follow:

int *hr*;  
int *payRate*;  
double *net\_pay*;  
double *gross*;  
double *federalTax*;  
double *stateTax*;  
double *other\_fees*;  
double *totalFees*;  
String *firstName*;  
String *lastName*;  
String *user\_name*;

Name methods like:

*calulateGrossPay*();  
*calculateNetPay*();  
*generateUserName*();  
*calulateFederalTax*();  
*calulateStateTax*();  
*calculateOtherFees*();  
*calculateTotalFees*();

**Hint for the output**

System.*out*.println("\n\t\t\t\t\t\t\t\t\t=============== SUMMARY ===============");  
System.*out*.println("\t\t\t\t\t\t\t\t\t===== " + date + " ====");

System.*out*.printf("\n%8s%10s%10s%10s%8s%10s%13S%13s%10s%12s%15s", "FirstName", "LastName", "UserName"," Hours",  
 "\t PayRate","GrossPay", "TakeHome","FederalTax","StateTax", "OtherFees", " TotalFees\n ");

System.*out*.printf("\n%-12s%-12s%-11s%-7d%-10d%-12.2f%-12.2f%-12.2f%-12.2f%-10.2f%-12.2f",*firstName*,*lastName*,  
 *user\_name*,*hr*,*payRate*,*gross*,*net\_pay*,*federalTax*,*stateTax*,*other\_fees*, *totalFees*);

* Explain him/her how you calculated each calculation
* The source code and sample output

Thank you