Problem 1(10 points)

You should already have a template for this next problem that I posted in the "week1_class_code.zip as the simple payroll. You could start from scratch if you like or use it and modify.

We need to start taking overtime into consideration so, any hours over 40 are to be paid time and half and also it should now display:

Regular pay: $####.##
Overtime pay: $####.##
Total Pay: $####.##

Hint for $ - remember the sep option that can be used in the print function.

Problem 2(30 points)

Your date of service (this is only the month and year) at "We Fix'm and Bill'm" clinic was 6, 2021 (would be same as June 2021). Ask the user for the month they are making the payment (numerically, 1 would be Jan, 2 – feb etc.) and the year (4 digit numerically – only enter 2021 or 2022). You will have to determine the number of months based on the month and year of the payment. The year determines how your formula comes up with the number of months between the date of service and the date of payment.

You owe 300.00 to start with.

Write a program that accepts the users name, payment, year of payment and month of payment.

Your program should display (inside the "   " indicates a variable content- **after you calculate all of the variables**)

If the student's new balance is 0 or less

Congratulations "student name", you are free from our continuous collection harassments. (no other print is done).

If the #months is 2 or less then display

"student name " made a payment of "#0.00 ". Your payment was within the agreed time frame but you still owe "#0.00 (calc)" so keep up the payments and we Will not come and pull you out of class.

If the #months is more than 2 then display

"student name " made a payment of "#0.00 ". Your payment was "#months (calc)" late and you still owe "#0.00 (calc)" so we will come take your car or any other item of value.

If the #months is more than 4 then display

"student name" made a payment of "#0.00". Your payment was "#months (calc)" late and you still owe "#0.00 (calc)" so we will be taking away your debit card until you pay your bill.

If the #months is more than 6 then display

"student name" made a payment of "#0.00". Your payment was "#months (calc)" late and you still owe "#0.00 (calc)" so be ready for the warrant and court date.

Hint for the print: make use of the \ and/or the sep and/or end in the print function.