Project Description:

I am going to do a Paid Time Off (PTO) Calculator for my mom’s office. At her office there is issues where people are earning paid time off when they shouldn’t. For each time an employee works the full pay cycle, the employee earns a specific amount of paid time off, it changes based upon the employee based on years of experience at the office. For a new employee, paid time off is 2 hours earned for 1 complete pay cycle; for an intermediate employee (5 years of experience) PTO is 3 hours per full pay cycle; for a veteran employee (>=10 years of experience), PTO is 4 hours per full pay cycle. Part time employees earn half the amount shown above for complete pay cycle. There are 26 pay periods a year, so the maximum PTO hours is 104 hours and minimum is 0 hours. The problem is that employees are taking leave without pay and still “earning” PTO. My mom wants to eliminate this by using an objective program that makes things clear between the employees. The calculation will be done weekly, so there needs to be a bank adding up the cumulative hours for each employee.

Diagram:

