SPD Programming problem number: __9_

A Defining diagram

Input	Processing	Output
employee: name , number, current salary, peer score, supervisor score	Get employee: name , number, current salary, peer score, supervisor score do while records exist	employee: name, #, old salary, old salary,

B Solution algorithm

```
Produce_salary_report
        set current_salary,
                new_salary
                to 0

        Read employee_record
        DOWHILE != EOF
                #name, number, slalary, peer, manager
                percentage_growth = salary_growth(peer,manager)
                salary_growth = salary * percentage_growth
                new_salary = salary_growth * salary
                print name, salary, number, new_salary
                old_total_salary += salary
                new_total_salary += new_salary
                Read Employee Record
                print new_total_salary, old_total_salary
        ENDDO
END
```

SPD Programming problem number: _7__

A Defining diagram

Input	Processing	Output
prompt for employeeNumber	prompt for employeeNumber if employeeNumber exists in file on numbers then print confirmation that the corresponding name was found using the index where number was found else print out an error	name corresponding with # or an error that it was not there.

B Solution algorithm

```
find_employee_name
prompt for employeeNumber
        DOWHILE !EOF
                for i in range of numbers
                        if employeeNumber = numbers(i)
                                print "found name(i)"
                        else
                                print "employeeNumber is invalid"
        ENDDO
END
```

*I saw and understand the way you did this in class, I think this is cleaner an does a fine job still.

SPD Programming problem number: _8__

A Defining diagram

Input	Processing	Output
employee: number, name , job code, pay code	get records while not EOF check what job and pay is, record it print employee: name, number, job, pay	pay rate, job description, number, name,

B Solution algorithm

```
Employee_Details
Get employeeRecords
        DOWHILE != EOF
        index = 1
                DOWHILE index <= 8
                        IF jobcodes(index) = jobcode THEN
                                set element to true


                        ELSE
                                set to false
                ENDDO

                DOWHILE index <= 8
                        IF payCodes(index) = payCode THEN
                                set element to true

                        ELSE
                                set to false
                ENDDO
                print employee: name, number, job, pay
        ENDDO
END
```