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Programming with Persistent Data Assignment Pseudocode

```
START employee_filing_system
WRITE file.dat
WRITE header_record
WHILE exit != 1
    PRINT menu
    menu 1
        CALL add
    menu 2
        CALL delete
    menu 3
        CALL list
    menu 4
        CALL compress
    menu 5
        exit = 1
END WHILE

IMPLEMENT add
    READ employee_record
    APPEND employee_record TO file.dat
    SET temp_total++
END add

IMPLEMENT delete
    READ delete_employee_number
    WRITE '*' TO employee_record_on_file
    SET temp_delete++
END delete

IMPLEMENT list
    PRINT employee_records_not_for_deletion
    PRINT header_record
END list

IMPLEMENT compress
    WRITE temp_total AND temp_delete TO header_record
    WRITE header_record TO file.dat
    COPY employee_records_not_for_deletion TO newfile.dat
    ERASE file.dat
    RENAME newfile.dat TO file.dat
END compress

END PROGRAM
```