**Pseudocode Pr<4>**

1. Start
2. Declare functions
   1. numOfEmployees();
   2. totDaysAbsent(int);
   3. averageAbsent(double, double);
3. declare text file ofstream fout;
4. start main function
   1. declare variables
      1. numberOfEmployees
      2. sumOfnumOfAbsentDays
      3. average;
      4. PROGRAMMER\_NAME = "Odalis R. Flores";
   2. Open text file "EmployeeAbsent.txt"
   3. Display header "EMPLOYEE ABSENT REPORT

employee ID: days absent:"

* 1. Call for function numOfEmployees and initialize return value to variable numberOfEmployees
  2. Call for function totDaysAbsent with parameter set to numberOfEmployees and initialize return value to variable sumOfnumOfAbsentDays
  3. Call for function averageAbsent with parameter set to numberOfEmployees and sumOfnumOfAbsentDays, inialize to variable average
  4. Display “the numberOfEmployees number of employees were absent a total of sumOfnumOfAbsentDays. In text file "EmployeeAbsent.txt"
  5. Display “the average of absent days is average” in text file "EmployeeAbsent.txt"
  6. Display “Programmer: PROGRAMMER\_NAME”
  7. Close text file PROGRAMMER\_NAME =
  8. Return 0 from main function

1. Define function numOfEmployees() with no parameter
   1. Declare variable x
   2. Prompt user to enter number of employees
   3. Get number and store in variable x
      1. While x is less than 1
         1. ERROR MESSAGE
         2. Prompt user to enter number of employees
         3. Get number and store in variable x
         4. Repeat as long as while expression is true
   4. Return value of variable x
2. Define function totDaysAbsent(int z) with parameter of data type integer and argument z
   1. Declare variables
      1. employeeID
      2. numOfAbsentDays
      3. sumOfnumOfAbsentDays initialize to value 0
   2. start for loop, for int = count, if count is less than or equal to z, increment count
      1. prompt user to enter 4-digit
      2. ID number for employee
      3. get employeeID
      4. display employeeID in text file "EmployeeAbsent.txt"
      5. Enter the number of absent days for employee #
      6. Get numOfAbsentDays
         1. While numOfAbsentDays is less than 0
            1. ERROR MESSAGE
            2. Enter the number of absent days for employee #
            3. Get numOfAbsentDays
            4. Repeat as long as while expression is true
      7. Display numOfAbsentDays in text file "EmployeeAbsent.txt"
      8. Add the sum of numOfAbsentDays and initialize to variable sumOfnumOfAbsentDays
      9. Return value of sumOfnumOfAbsentDays
3. Define function double averageAbsent with parameters with two arguments a, b of data type double
   1. Declare variable for averageOfAbs
   2. Calculate b divided by a and initialize value to variable averageOfAbs
   3. Return the value of variable averageOfAbs
4. End