**Expr 4 a: Employee Average Pay**

**Code:**

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

#define MAX\_NAME\_LEN 50

int main() {

    FILE \*fp;

    char name[MAX\_NAME\_LEN];

    int salaryPerDay, daysWorked;

    int totalPay, employeePay;

    int qualifiedCount = 0;

    float averagePay = 0.0;

    fp = fopen("emp.dat", "r");

    if (fp == NULL) {

        printf("Error: Could not open emp.dat\n");

        return 1;

    }

    printf("%-10s %-10s\n", "Name", "TotalPay");

    printf("-----------------------\n");

    totalPay = 0;

    while (fscanf(fp, "%s %d %d", name, &salaryPerDay, &daysWorked) != EOF) {

        employeePay = salaryPerDay \* daysWorked;

        if (employeePay > 6000 && daysWorked > 4) {

            printf("%-10s %-10d\n", name, employeePay);

            totalPay += employeePay;

            qualifiedCount++;

        }

    }

    fclose(fp);

    printf("-----------------------\n");

    printf("Total Employees: %d\n", qualifiedCount);

    if (qualifiedCount > 0)

        printf("Average Pay: %.2f\n", (float)totalPay / qualifiedCount);

    else

        printf("Average Pay: 0.00\n");

    return 0;

}

**Sample Data:**

John 1000 7

Alice 900 3

Bob 1200 6

David 850 5

Eva 700 4

**Output:**

Name TotalPay

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John 7000

Bob 7200

David 4250

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Total Employees: 3

Average Pay: 6150.00

**Result:**

Thus the Average Pay for an employee Code is implemented in fedora using the C language