Expr 4 a: Employee Average Pay

Code:

```c
#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
-----------------------
John       7000
Bob        7200
David      4250
-----------------------
Total Employees: 3
Average Pay: 6150.00
```

Result:

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