**Expr 4 b: Results of Examination**

**Code:**

#include <stdio.h>

#include <stdlib.h>

#define MAX\_NAME\_LEN 50

int main() {

    FILE \*fp;

    char name[MAX\_NAME\_LEN];

    int m1, m2, m3;

    fp = fopen("students.dat", "r");

    if (fp == NULL) {

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

        return 1;

    }

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

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

    while (fscanf(fp, "%s %d %d %d", name, &m1, &m2, &m3) != EOF) {

        if (m1 < 45 || m2 < 45 || m3 < 45)

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

        else

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

    }

    fclose(fp);

    return 0;

}

**Sample Data:**

Alice 65 70 80

Bob 45 44 50

Cathy 90 91 89

David 50 40 60

**Output:**

Name Result

----------------------

Alice Pass

Bob Fail

Cathy Pass

David Fail

**Result:**

Thus the Results of Examination Code is implemented in fedora using the C language