Nikeem Dunkelly-Allen, ECE322, Assignment 3

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

#include <strings.h>

struct person{

char lastn[12];

char firstn[12];

int fivenum;

char grades[7];

};

int main()

{ struct person per;

FILE \* fin = fopen("/home/www/class/een322/grades.dat", "rb");

FILE \* fnew = fopen("grades.txt", "w");

if (fin == NULL || fnew == NULL)

{ printf("File can not be open");

return 1;

}

int i;

int count = 0;

while (fread(&per, sizeof(struct person), 1, fin))

{ fprintf(fnew, "%-12s %-12s %5d ", per.lastn, per.firstn, per.fivenum);

for (i=0; i< 7;i++)

{ fprintf(fnew, "%3d ", per.grades[i]);

}

fprintf(fnew, "\n");

count++;

}

printf("There was %d records in the file \n", count);

fclose(fin);

fclose(fnew);

return 0;

}

Outputs “There was 9887 records in the file”

Screenshot of grades.txt:

A picture containing text

Description automatically generated