```c
/* BY SUBMITTING THIS FILE TO CARMEN, I CERTIFY THAT I HAVE PERFORMED ALL OF
THE WORK TO CREATE THIS FILE AND/OR DETERMINE THE ANSWERS FOUND WITHIN
THIS FILE MYSELF WITH NO ASSISSTANCE FROM ANY PERSON (OTHER THAN THE
INSTRUCTOR OR GRADERS OF THIS COURSE) AND I HAVE STRICTLY ADHERED TO THE
TENURES OF THE OHIO STATE UNIVERSITY'S ACADEMIC INTEGRITY POLICY.
*/
#include "lab4.h"
void print_student_data(FILE *file, Node *list_head, char (*category_names)[15]) {
        int i;
        Node* traversePtr;
        /*Prints the categories into the output file so that it can be reused*/
        for (i = 0; i < 4; i++) {
                fprintf(file, "%s ", *(category_names + i));
        }
        fprintf(file, "\n");
        /*Traverses through the linked list and prints the data*/
        traversePtr = list_head;
        while (traversePtr != NULL) {
                struct Data current_student = traversePtr->student;
                fprintf(file, "%s\n", current_student.student_name);
                fprintf(file, "%d\n", current_student.student_ID);
                fprintf(file, "%.2f\t", current_student.cat1.score1);
                fprintf(file, "%.2f\t", current_student.cat1.score2);
                fprintf(file, "%.2f\n", current_student.cat1.score3);
                fprintf(file, "%.2f\t", current_student.cat2.score1);
                fprintf(file, "%.2f\t", current_student.cat2.score2);
                fprintf(file, "%.2f\n", current_student.cat2.score3);
                fprintf(file, "%.2f\t", current_student.cat3.score1);
                fprintf(file, "%.2f\t", current_student.cat3.score2);
                fprintf(file, "%.2f\n", current_student.cat3.score3);
                fprintf(file, "%.2f\t", current_student.cat4.score1);
                fprintf(file, "%.2f\t", current_student.cat4.score2);
                fprintf(file, "%.2f\n", current_student.cat4.score3);
                traversePtr = traversePtr->next;
        }
        free_memory(list_head);
}
```