

```
/* 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 ASSISTANCE 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"
/*Prints the student record by the student last name*/
void option2(Node *head, char *categories) {
    Node *student; /*The node that matches the student last name*/
    char *name; /*The last name to look for?
    /*Dynamically allocates the character array with the last name*/
    name = (char*)malloc(40 * sizeof(char));
    /*Prompts the user for the last name*/
    printf("Enter the Student's Last Name: ");
    scanf("%[^\\n]", name);
    /*Tells the user that the hunt is started*/
    printf("Hunting for %s\\n", name);
    student = get_NodeforName(head, name);
    /*If not found, error.*/
    if (student == NULL) {
        printf("No student with last name.\\n");
    }
    free(name); /*Free the dynamically allocated storage*/
    /*Prints the data*/
    printHeader(categories);
    printStudent(student);
}
```