

```
1  /**
2   * Use a data structure to hold student names and GPAs. Print out the information
3   */
4  #include <cs50.h>
5  #include <stdio.h>
6
7  typedef struct
8  {
9      string name;
10     float gpa;
11 }
12 student;
13
14 int main(int argc, string argv[])
15 {
16     int enrollment = get_int("Enrollment: ");
17     printf("\n");
18
19     // Allocate space to store the student information
20     student school[enrollment];
21
22     // Prompt the user for each students' information
23     for (int i = 0; i < enrollment; i++)
24     {
25         printf("Student #%i\n", i + 1);
26         printf("\t");
27         school[i].name = get_string("Name: ");
28         printf("\t");
29         school[i].gpa = get_float("GPA: ");
30         printf("\n");
31     }
32
33     // Print out the GPAs
34     for (int i = 0; i < enrollment; i++)
35     {
36         printf("%s has a gpa of %.3f\n", school[i].name, school[i].gpa);
37     }
38
39     // Success
40     return 0;
41 }
```