**Question:**

Suppose you have the following two lists:

Grades: 100, 80, 65, 44, 85, 75, 90, 98

Students: “Tatheer”, “Zahra”, “Autumn”, “Jake”, “Sarah”, “David”, “Liz”, “Anne”

Both lists are dependent on each other. The grade stored at index 0 is Tatheer’s grade. Similarly, the grades stored at index 1 is Zahra’s grade. Your job is to do the following:

1. Create a function find\_names, which takes both lists as parameters and return a list with the names of students with grades greater than 80.

For example, in the lists above, our returned list would be the following:

greater\_80=[“Tatheer”, “Sarah”, “Liz”, “Anne”]

You can do this by traversing the list element by element using a loop and using the loop variable as an index value. Following are some examples:

If loop variable=1, then Grades[loop variable] would return 80 and Students[loop variable] would return Zahra. Therefore, if grades stored at a particular index value are greater than 80 then you can use the same index value to extract the name of the student.

1. Once you have the list of students with greater than 80 points, your job is to create another function named write\_to\_file which takes the list as a parameter and simply writes it to a file element by element.

Provide the code for write\_to\_file just leave the .write part

**Rubric:**

1 loop for first function—5 pts

1 loop for second function and using the write function properly – 5 pts

If-else/if elif statement to check greater than 80—10 pts

Creation of new list, adding names to it—15 pts

Function header for find\_names, return statement and invocation --- 15 pts