Basic Questions:

1. In a few sentences, why do you think you are a good fit for this job?
2. What is the timeline for your availability to potentially start working?
3. Are you authorized to work in the United States?
4. Will you require any visa sponsorships in the future?

Programming Exercise:

For this position, one of the common tasks you will be working on is to web/desktop applications to visually represent results (data) stored in a database using an interactive GUI. For the purpose of this exercise, please consider the attached excel table as the data that your application will display to the end user. The data table shown contains the results for 3 teachers (end-users of the application) from 2 different schools showing them how they have contributed to their students’ growth in the past academic year. These results are calculated based on the evaluation of the number of students for that teacher, grades taught, tests administered to the students, student test scores.

* 1. Now, if the purpose of this project is to communicate these results to the teachers in the most efficient manner, how would you go about designing your application to visually display these results so that the teachers can interact with the data using drop down menus and choose options from this application to view different details of their results? For example, if a teacher teaches both grades 4 and 5, and wishes to see his result for grade 4, how will you build in that option into the application?
  2. What are the key components that will make up your application? Please draw a simple workflow chart showing interaction between these key components.
  3. Write code to create a simple application to display the results shown in the above table to the listed teachers with a backend database storing this data and front end application displaying these results. Please use any programming language and database of your choice for this exercise- . NET, Python, Java script, MySQL, etc to create this test application. Please include a readme file on how to run your application.