The objective of this project is to understand and implement if-else statements in the C++ programming language. At first I did not understand how to exactly do this project with when everything depended on multiple inputs. At first I declared the letter grades as whole numbers and used the if statements to have whatever that letter grade was multiplied by the number of hours inputted. The only problem with that was it only worked for one class and not multiple classes. Knowing that I didn’t know what to do I went to office hours in hopes to better understand how to do the project and it helped a lot. Since then I had to use two variables that weren’t declared as whole numbers but just as integers. In the if statement one variable was used to measure which letter grade was inputted and the other would give that inputted grade a value. Using the executable file I made sure that my math was right by inputting the same grades in both to see that the GPA was the same on both.