What is abstraction and why is it important?

Abstraction is the process of taking an idea and splitting it up into many different parts that all work together to form a working program. With Abstraction, a programmer or team can all work on different pieces of the code to ensure that it is all working together. Say for example you have one person working on a stub code regarding the class Payment, and you have another person working on stub code regarding the class Processing, singularly, those pieces don’t work very well, but when they are entered into the main Payroll program, Payment ensures that the employees get the proper pay and Processing can ensure that the payment is processed. Without these two pieces of code, the Payroll program would be unable to work. Another example is from my code that I worked on this week in my Journal file.

Following the example from the instructions, I created an Entry.cs class program and a Journal.cs class program. Entry.cs made it possible for the text to be entered into the program, and my Journal.cs class made it possible for the user to have prompts as well as control over what is going on in the program, whether they are entering a new entry using a pregenerated prompt or they are saving the file to be able to access it later on.