Abstraction

Explain the meaning of Abstraction  
Abstraction is a unique way to take something complicated and make it look simple. It uses object-oriented programming as a fundamental concept to structure a class. This form of structure helps focus on characteristics and behaviors of the objects also known as a class. Each class does its job specifically and leaves other jobs to other classes, this makes code easier to reuse.

Highlight a benefit of Abstraction  
One highlight I have seen from abstraction is when you change the code in a class it doesn’t inadvertently change other code that you have coded in other classes. This makes changing code much easier and specific.

Provide an application of Abstraction  
I was impressed with the simple example of Abstraction shared in the reading last week. The python command of “print(“hello world”) is an abstraction. I had no idea that it takes over 3000 lines of C to write that code. This is the great advantage of Abstraction we get user-friendly access to complex computer programing.

Use a code example of Abstraction from the program you wrote  
I am not exactly sure what you are asking in this request but here goes what I think you are asking. I just coded a journal project for school. It had a few classes in it, one was called the Entry Class and it put together a date, a prompt, and an entry to the journal. All the code for that process was contained within that class. I made the Prompt its own class which simplified the Entry Class and called the Prompt from its class. Then I created a Journal Class that displayed, loaded, and saved entries to and from the journal. Then everything is run from the Program Class with simple code such as “entry.WholeEntry);”. that would then run the Entry where the writer could add content to the journal. This one line of code is the product of 25-30 lines of code from the Entry class. Pretty streamlined. Then as I changed things in the design stage it didn’t mess with the rest of the program. This is a great way of coding for complex projects.