What is abstraction and why is it important?

Abstraction is the process of making something that is complex appear as simple as possible. Abstraction is filtering out the complex and unwanted things so that the necessary ones remain, abstraction makes our code appear more clean and readable.

Programmers use abstraction all the time and someone who is not a programmer will not realize that things are not as simple as programmers make them appear.

One example of abstraction is using the built-in functions in languages like Python, some function examples in python include the “print” or the “input” functions just to mention a few.

Now programming with classes is another way of creating abstractions, before creating a class, we would start by thinking of objects or instances where we create or instantiate a method to create a new variable or object that will be used somewhere later on in our program.

In conclusion, abstractions are created to filter out all the complex code from the program so that only the necessary and easily readable code is left in the program.