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**CSE210 – PROGRAMMING WITH CLASSES**

**What is abstraction and why is it important?**

Abstraction is the process of simplifying something by elimination of its non-essential characteristics.

It is basically creating layers on something such that the topmost layer looks simple to comprehend or utilize.

Considering the “print()” function in python which is very easy to use, it is simply the topmost layer of complex code written that enables it display any argument entered.

The importance of abstraction is clearly demonstrated in the use of classes in programming. The use of classes simplifies any complex problem, allowing the programmer to have Instances that when put together can achieve great results.

In the dice game for instance, the concept of a dice game might seem overwhelming at first but creating a class for the die, the director etc simplifies it a lot, allowing implementation to be relatively simple.