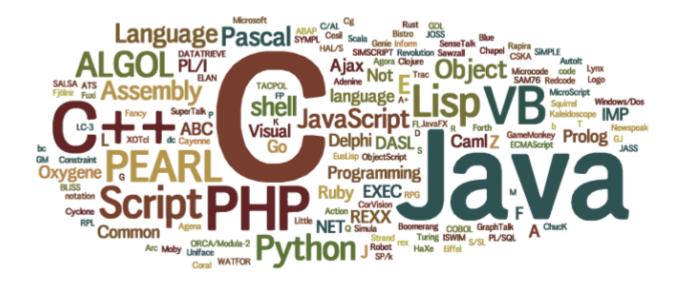


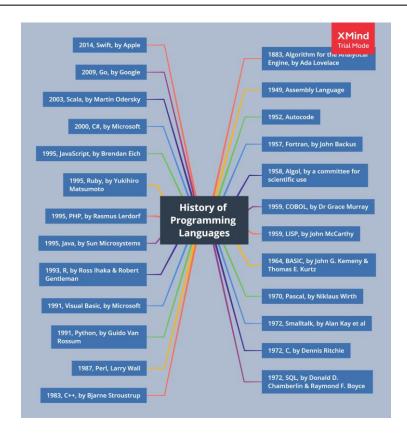
Unit 3
Programming
Languages:
History, Concepts
& Design

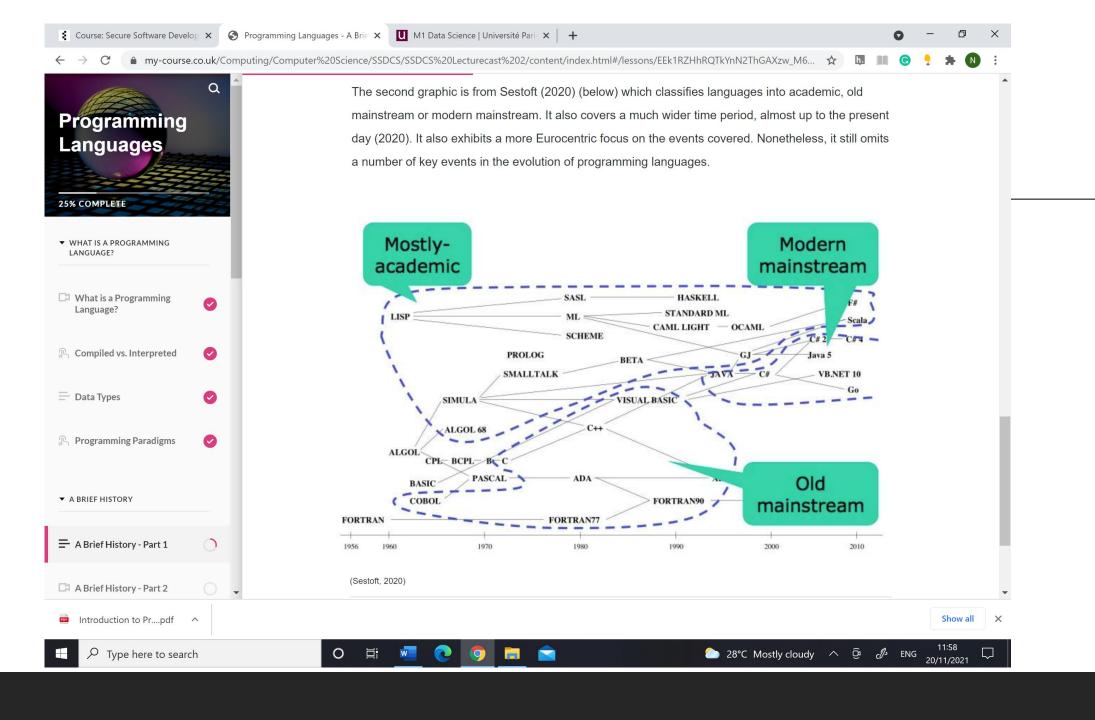
### Programming Languages

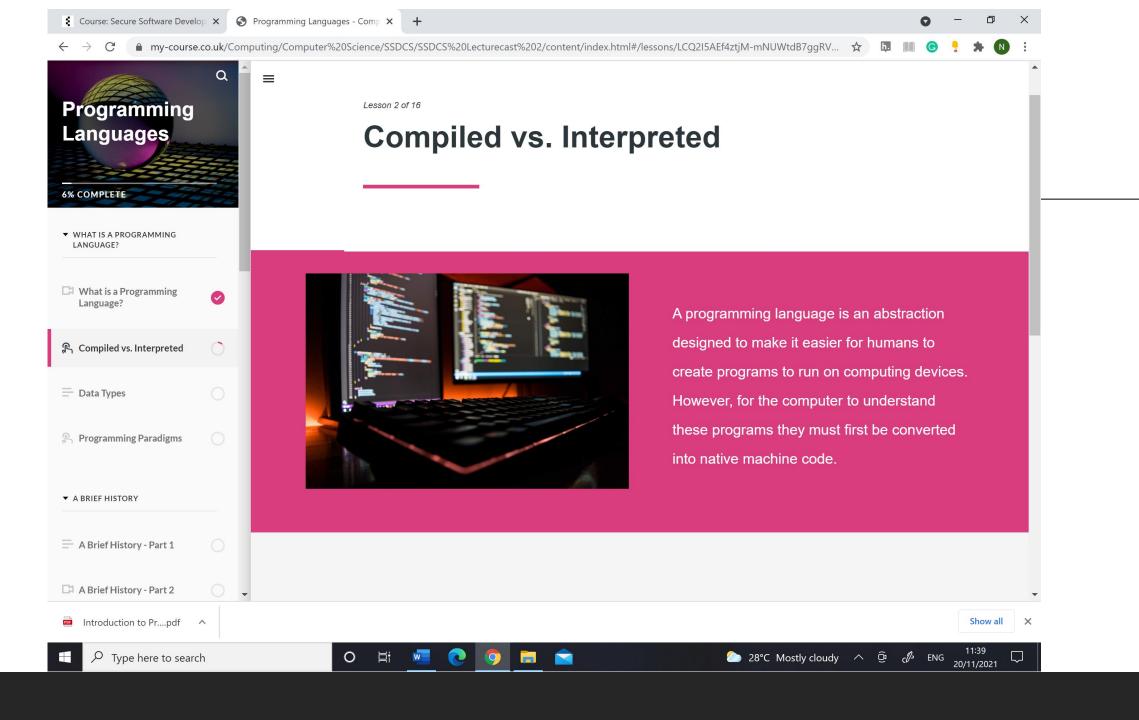
"Since developers can always find some slight flaw in any existing language, we are bound to witness the creation of new languages until the end of time". [Shane Markstrum, Staking Claims: A History of Programming Language Design Claims and Evidence A Positional Work in Progress]

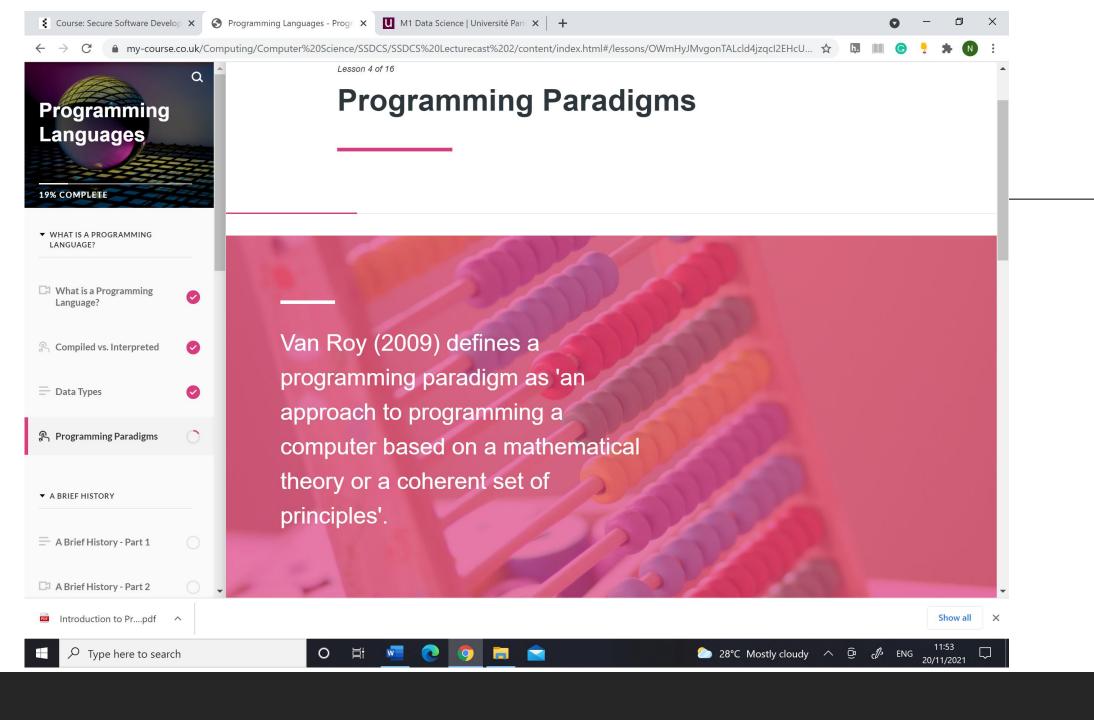


# History of Programming Languages



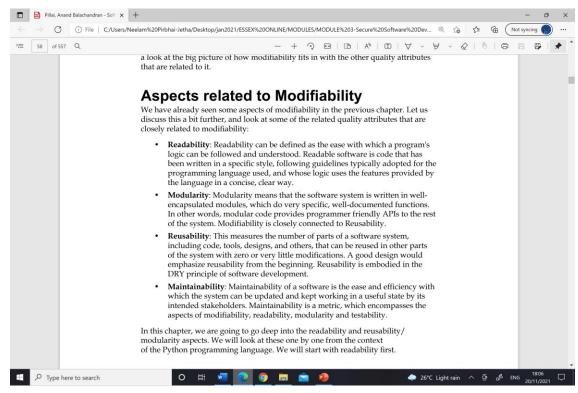


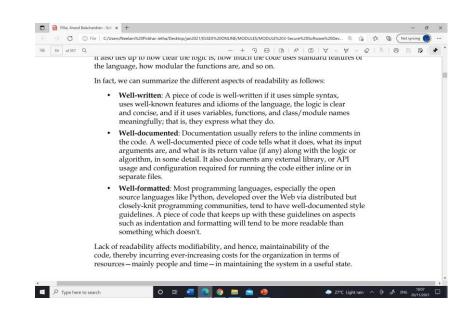




# Chapter 2,6,7,8 of the course text (Pillai, 2017)

#### Writing Modifiable and Readable Code



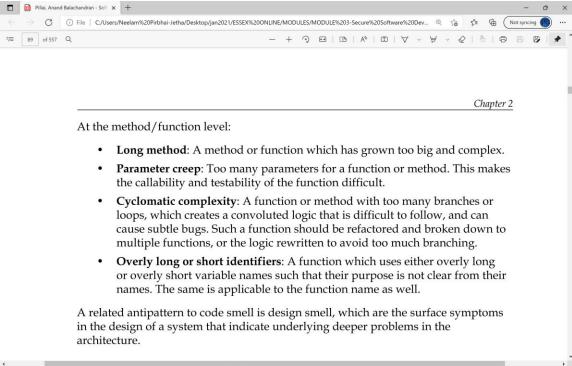




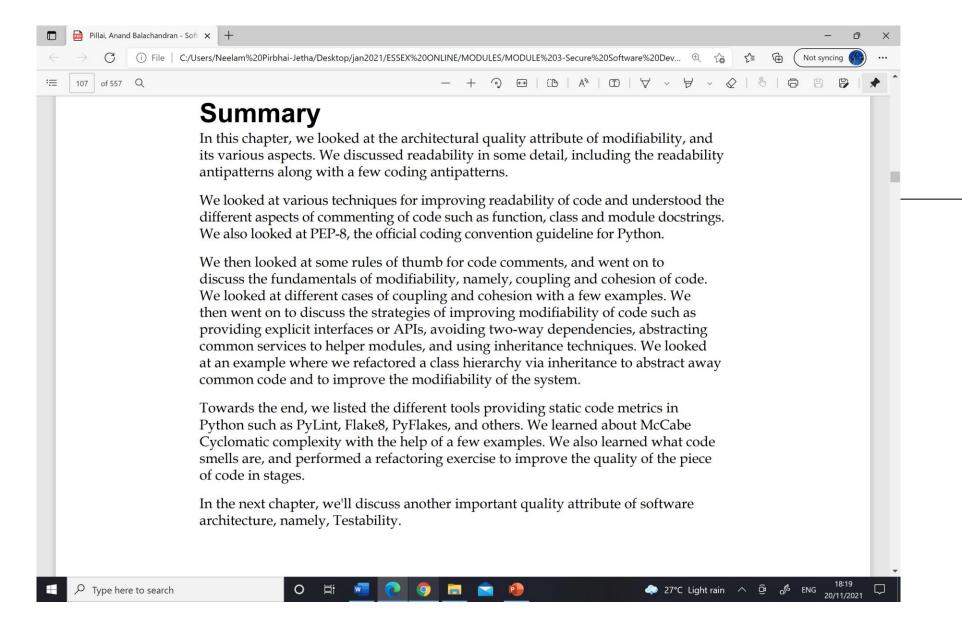
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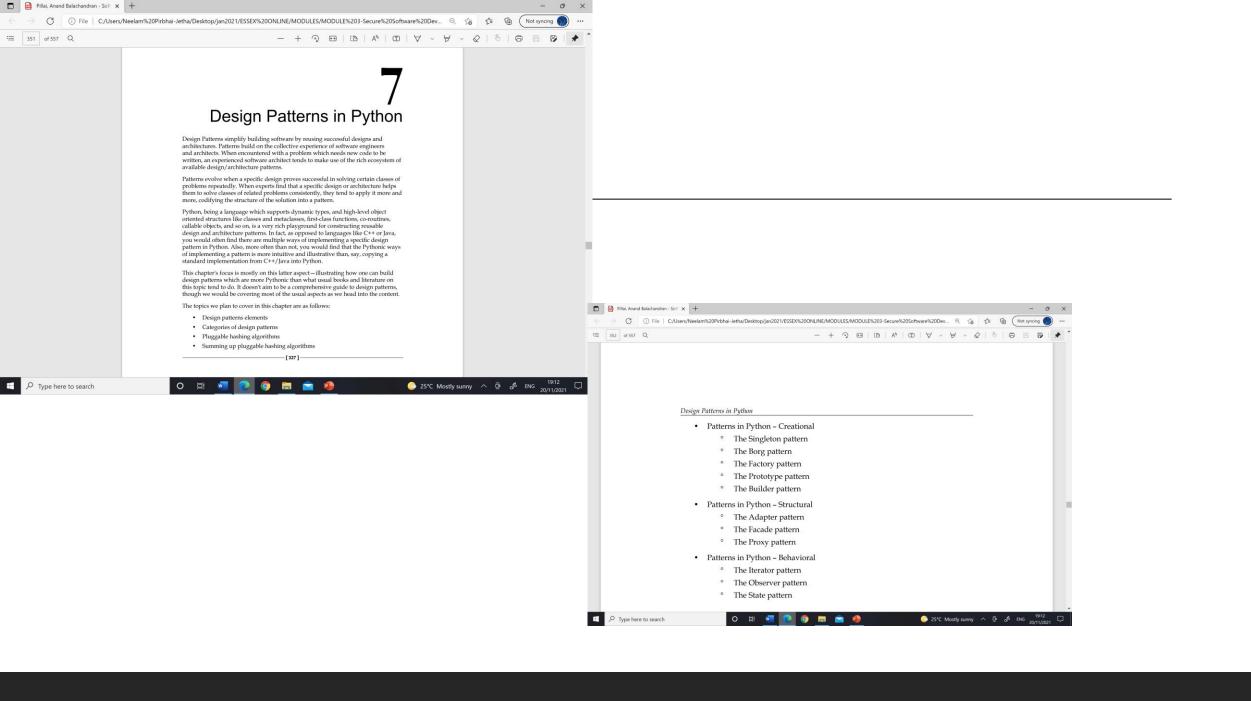
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## Software Security and Secure Coding

Software security and secure coding has assumed more importance than ever due to the unprecedented amounts of data being shared across software and hardware systems—the explosion of smart personal technologies such as smart phones, smart watches, smart music players, and other smart systems has aided this immense traffic of data across the Internet in a big way. With the advent of IPV6 and expected large scale adoption of IoT devices (Internet of Things) in the next few years, the amount of data is only going to increase exponentially. P. 281