**Unit 3: Introduction to Programming Languages**

**Objectives:**

* Review the history and concepts of programming languages.
* Investigate language concepts using Python as an example.
* Describe best practices and methods to overcome common security issues.

**Outcomes:**

* Describe some key milestones in the development of programming languages.
* Outline some of the key paradigms that define the different types of languages.
* Explain the key concepts that determine the operation of programming languages.
* Discuss key programming challenges and recommended best practices.
* Explain what design patterns are and when to use them.