Perl

* References – Scalar data type that holds the location of another value which could be a scalar, array or hashes.
  + Creating references
  + Dereferencing
  + Circular References
  + References to functions
* Format – Defining a format, Using a format, Defining a report header and footer, defining a pagination
* File handling – Opening and closing files, Reading and writing files, renaming a file, deleting an existing file, positioning inside a file, file information
* Directories – Displaying all files and folders, creating new directories, removing existing directories, changing a directory
* Error handling – ternary function, warn and die function, carp and cluck function, crock, confess
* Special variables- Variables that have a special meaning in PERL. They can be categorized into:
  + Global Scalar Special Variables.
  + Global Array Special Variables.
  + Global Hash Special Variables.
  + Global Special Filehandles.
  + Global Special Constants.
  + Regular Expression Special Variables.
  + Filehandles Special Variables.
* Coding Standards – Some standards are maintained by programmers so as to make the code easier to read, maintain and understand.
* Regular Expression – String of characters that define a pattern or patters you are viewing. Eg: sed, grep, awk. There are three regular expression operator:
  + Matching regular expression
  + Substitute regular expression
  + Transliterate regular expression
* Sending emails: sending plain messages, sending html messages, sending attachments, using SMTP servers.
* OOPs
  + Objects basics – Any OOP can be understood by these basic terms
    - Object – reference to a data type that knows what class it belongs to.
    - Class – A package that contains corresponding methods required to create and manipulate objects
    - Method – Subroutine, defined within the package,
  + Defining a class
  + Defining methods
  + Inheritance
  + Method Overriding
  + Default Autoloading
  + Destructors and Garbage Collections
* Excel sheets – Write scripts so as to format any excel sheet according to users’ desire. Reading and writing into a file. Formatting the sheet, creating new excel sheets and workbook. For using this, modules can be downloaded from the Comprehensive Perl Archive Network (CPAN).