OOP’s concept – Class, Objects Polymorphism, Inheritance and Encapsulation

Java Programming essentials- Object Instances, method overloading/overriding concepts and packages

Control Statements – While, do-While, Switch, If statements – This will help us in writing the scripts for a multiple scenario statements and decision making scenarios.

Looping statements – This will help us in scenarios like, iterating through a large table to find a record that you want and Running the same test for multiple number of times.

Arrays Concepts – This will help us in having some set of datas of same type in a static way.

Threads and MultiThreading Concepts – This will help us in making run our scripts in different threads that will help us in achieving better performance.

Java Collections Framework – ArrayLists and HashMaps – This will help us in maitaining a collection of data’s. Particularly useful for scenarios where you need to compare the data from Web app UI with the DB. [OR] From UI to another UI

File Streams – This will be helpful in externalization of data through CSV, Excel or Java Properties file.

* **Basic**
  + Object & Classes
  + Basic Datatypes
  + Variable Types
  + Modifier Types
  + Basic Operators
  + Decision Making
  + Arrays
  + Methods
  + Files and I/O
  + Exceptions
  + Inner classes
* **Java OO**
  + Inheritance
  + Overriding
  + Polymorphism
  + Abstraction
  + Encapsulation
  + Interfaces
  + Packages
* **Advance**
  + Data Structures
  + Collections Framework
  + Multithreading