Beginning and Intermediate Java Course (Exercise1-214)

- Data Types and Variables
- Expressions and Arithmetic Operators
- Input and Output
- Floating Point
- The If Statement
- Switch statement
- Nested If Statement
- Boolean Expressions
- Loops and the while Statement
- Counting loops(for statement)
- Nested for loops
- Sentinel-controlled loops
- Result-controlled loops
- String Class
- Java Regular Expressions (java regex)
- Random class
- Methods (Using Arguments, Using a return type)
- Arrays
- Array and Method Exercises
- ArrayList
- Two-Dimensional Array

Advanced Java Course / AP CS(Exercise215-330)

- OOP (Object Oriented Programming)
- Overriding vs. Overloading
- toString
- Inheritance
- Abstract Classes
- Interfaces
- Polymorphism
- Static method and Instance method
- Graphics
- Graphical User Interface (GUI)
- Moving Object With Keyboard
- Exception Handling
- Writing Text Files
- Reading Text Files Using Scanner Class
- Recursion
- Sorting
- Searching
- Generics
- Stack
- StringTokenizer
- Difference between String, StringBuffer and StringBuilder
- Hashtable
- The Bitwise Operators