EXPERIMENT NO: 05 Implement Interfaces

1. Write the various forms of implementing interfaces. Write Java code for each.
2. Suppose that you have written a time server, which periodically notifies its clients of the current date and time. Write an interface that the server could use to enforce a particular protocol on its clients.
3. Write a class that implements the Iterator interface found in the java.util package. The ordered data for this exercise is the thirteen cards in a suit from a deck of cards. The first call to next returns 2, the subsequent call returns the next highest card, 3, and so on, up to Ace. Write a small main method to test your class.
4. Write an interface for a Stack that has operations push, pop and clear. Also write a class that uses the interface.
5. Write a java program using interface as i) as variable type ii) as method parameters iii) as a return type of a method
6. What are the built-in interfaces in java? Demonstrate it with an example for each.

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