**Solution Approach Project 2- Online Shopping Site**

**Using Java Generics, Comparator, Comparable, Cloneable, Bounded types, wildcards**

**Problem Statement:** This Program implements all the classes of Online Shopping Site using Using Java Generics, Comparator, Comparable, Cloneable, Bounded types, wildcards. To clone the customer object to new object using clone method. To sort all the orders based on order names by implementing Comparable interface and overriding compareTo method. To sort all the products based on product name using comparator and overriding compare method.

**Solution:**

* Create all the class with all the private variables, getters and setters and constructors.
* If object is to be cloned, class should implement cloneable interface.
* Override the clone method to return the class object.
* For bounded types create three class extending the main class
* And an unknown type extends the main class is passes as a generic
* And then respective class object is passes as a parameter in place of unknown type are passed during object creation.
* For upper wild cards unknown types extends a class.
* And then methods can be invoked only from that class and its sub types.
* For lower wild cards unknown types supers a class.
* And then methods can be invoked only from that class and its super types.

**Steps to Run the Java RMI Programs in Command Prompt:**

* Open the ChavaP2OnlineShoppingSite folder in the IDE and run the Driver.java