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In [ ]: #Clock One.java
        import java.rmi.Naming;
        import java.time.LocalTime;
        import java.time.format.DateTimeFormatter;
        public class Clock_One {
            public static void main(String[] args) {
                    ServerImpl s1=new ServerImpl(LocalTime.parse(args[1], DateTimeF
                    Naming.rebind(args[0], s1);
                } catch (Exception e) {
                    System.out.println("exception - "+e);
            }
        #MainClock.java
        import java.rmi.Naming;
        import java.rmi.RemoteException;
        import java.time.LocalTime;
        import java.time.format.DateTimeFormatter;
        public class MainClock {
            public static void main(String[] args) throws RemoteException {
                try {
                    String clock one = "rmi://127.0.0.1/" + args[0];
                    String clock_two = "rmi://127.0.0.1/" + args[1];
                    String clock_three = "rmi://127.0.0.1/" + args[2];
                    LocalTime serverTime = LocalTime.parse("03:00:00", DateTimeForm
                    System.out.println("Server timr = " + serverTime.toString());
                    ServerIntf c1 = (ServerIntf) Naming.lookup(clock_one);
                    System.out.println("clock one time = " + c1.getTime());
                    ServerIntf c2 = (ServerIntf) Naming.lookup(clock_two);
                    System.out.println("clock two time = " + c2.getTime());
                    ServerIntf c3 = (ServerIntf) Naming.lookup(clock_three);
                    System.out.println("clock three time = " + c3.getTime());
                    long serverNano = serverTime.toNanoOfDay();
                    long c1Nano = c1.getTime().toNanoOfDay() - serverNano;
                    long c2Nano = c2.getTime().toNanoOfDay() - serverNano;
                    long c3Nano = c3.getTime().toNanoOfDay() - serverNano;
                    long avg = (c1Nano + c2Nano + c3Nano) / 4;
                    c1.adjustTime(serverTime, avg);
                    c2.adjustTime(serverTime, avg);
                    c3.adjustTime(serverTime, avg);
                    serverTime=serverTime.plusNanos(avg);
                    System.out.println("clock one updated time = " + c1.getTime())
                    System.out.println("clock two updated time = " + c2.getTime())
                    System.out.println("clock three updated time = " + c3.getTime(
                    System.out.println("updated time"+serverTime);
                } catch (Exception e) {
                    System.out.println("exception - "+e);
                }
            }
        #ServerImpl.java
        import java.rmi.RemoteException;
        import java.rmi.server.UnicastRemoteObject;
```

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import java.time.LocalTime;
import java.time.format.DateTimeFormatter;
public class ServerImpl extends UnicastRemoteObject implements ServerIntf{
    private LocalTime currentTime;
   ServerImpl(LocalTime currentTime) throws RemoteException {
        this.currentTime = currentTime;
   public LocalTime getTime() throws RemoteException {
        return this.currentTime;
   public void adjustTime(LocalTime serverTime, long timediff) throws Remo
        long serverNano = serverTime.toNanoOfDay();
        long adjusted = timediff + serverNano;
        LocalTime adjustedTime = LocalTime.ofNanoOfDay(adjusted);
        System.out.println("Adjusted time is: " + adjustedTime.format(Date1
        this.currentTime=adjustedTime;
    }
#ServerIntf.java
import java.rmi.Remote;
import java.rmi.RemoteException;
import java.time.LocalTime;
public interface ServerIntf extends Remote {
   public void adjustTime(LocalTime serverTime, long timediff) throws Remo
   public LocalTime getTime() throws RemoteException;
}
RunCommand:
terminal1:javac *.java, rmiregistry
terminal2:java Clock_One c1 03:10:00
terminal3:java Clock_One c2 03:20:00
terminal4:java Clock_One c3 02:50:00
terminal5:java MainClock c1 c2 c3
```