

SessionManager class:

```
-----  
import java.util.HashMap;  
public class SessionManager {  
  
    HashMap<Integer, UserSession> list= new HashMap<Integer, UserSession>();  
    int sessionId = 0;  
  
    public SessionManager(){  
  
    }  
  
    public int createSession() {  
        UserSession obj = new UserSession();  
        obj.id = 28;  
        obj.userName = "test";  
        obj.createdTime = System.currentTimeMillis();  
  
        int newSessionId = ++sessionId;  
        list.put(newSessionId, obj);  
  
        return newSessionId;  
    }  
  
    public void removeSession(int id) {  
        list.remove(id);  
    }  
  
    public int getSessionCount() {  
        return list.size();  
    }  
  
    public UserSession getSession(int id) {  
        return list.get(id);  
    }  
  
    public class UserSession {  
        public int id;  
        public String userName;  
        public long createdTime;  
    }  
}
```

```

public static void main(String args[]) {
    SessionManager smanager = new SessionManager();

    //to create session
    int sessionid = smanager.createSession();
    System.out.println("Create new session with sessionid: "+sessionid);

    //to get session obj
    UserSession ssn = smanager.getSession(sessionid);

    //to remove session
    smanager.removeSession(sessionid);

    //to get count
    int count = smanager.getSessionCount();

    System.out.println("Number of sessions: "+count);

    }
}

```

PING example:

```

import java.net.*;
import java.io.*;

public class pingserver extends Thread{
    @Override
    public void run() {
        while(true) {
            try {
                InetAddress address = InetAddress.getByName("web.mit.edu");
                System.out.println("Name: " + address.getHostName());
                System.out.println("Addr: " + address.getHostAddress());
                System.out.println("Reach: " + address.isReachable(3000));
            }
            catch (UnknownHostException e) {
                System.err.println("Unable to lookup web.mit.edu");
            }
            catch (IOException e) {
                System.err.println("Unable to reach web.mit.edu");
            }
        }
    }
}

```

```
try {  
    Thread.sleep(2000);  
} catch (InterruptedException ex) {  
  
}  
} // end of while loop  
}  
  
public static void main(String args[]) {  
    pingserver obj = new pingserver();  
    obj.start();  
}  
}
```