Operating Systems Laboratory

Lab 6

Introduction to Java Threads

1 Introduction

This lab session is designed to

- Introduce the Java Thread API.
- Introduce java multithreaded application programming.

2. Download the following files from Moddle

    a. TestThread.java
    b. TestRunnable.java
    c. ThPool.java
    d. PiggyBankWithoutSync.java
    e. PiggyBankWithSync.java

3. Build and Run TestThread.java

Practical – Can you explain the output?

4. Build and Run TestRunnable.java

Practical – Can you explain what happened during the execution?

5. Build and Run ThPool.java

Practical – Can you explain what happened during the execution?

6. Build and Run PiggyBankWithoutSync.java

Practical – Can you explain what happened during the execution?

7. Build and Run PiggyBankWithSync.java

Practical – Can you explain what happened during the execution?