Enterprise Architecture – 4232

Lab sheet 02

Task 04

4. **create ThreadPoolExample.java. class**

import java.util.concurrent.ExecutorService;

import java.util.concurrent.Executors;

class Task implements Runnable {

private int taskId;

public Task(int taskId) {

this.taskId = taskId;

}

@Override

public void run() {

System.out.println("Task " + taskId + " is being processed by " +

Thread.currentThread().getName());

}}

public class ThreadPoolExample {

public static void main(String[] args) {

// Create a thread pool with 3 threads

ExecutorService executorService = Executors.newFixedThreadPool(3);

// Submit tasks to the pool

for (int i = 1; i <= 5; i++) {

executorService.submit(new Task(i));

}

// Shutdown the thread pool

executorService.shutdown();

}

}

Output

