**Phase 1 Practice Project – Assisted Practice**

**3 . Write a program in java to demonstrate Synchronization.**

**Source Code:**

package Threads;

import java.io.\*;

import java.lang.\*;

public class Multiplication {

synchronized void printMultiplication(int n) {

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

System.out.println(n\*i);

try {

Thread.sleep(1000);

}

catch(Exception e) {}

}

}

}

package Threads;

import java.io.\*;

import java.lang.\*;

public class MultClass extends Thread{

Multiplication m;

MultClass(Multiplication m){

this.m=m;

}

public void run() {

m.printMultiplication(8);

}

}

**package** Threads;

**public** **class** Synchronization {

**public** **static** **void** main(String[] args) {

Multiplication m = **new** Multiplication();

MultClass ml = **new** MultClass(m);

ml.start();

}

}

**Output:**

