**Assisted Practice:**

**3.2 Demonstrate the Execution of sleep() and wait()**

* Write a program in Java to demonstrate sleep() and wait()
* Use Eclipse (the popular text editor for Java programs)
* Push code to Git

This lab has three sub-sections, namely:

* + 1. Creating a new project in Eclipse
    2. Writing the program in Java to demonstrate sleep() and wait()
    3. Pushing the code to your GitHub repositories

**Step 3.2.1:** Creating a new project in Eclipse

* Open Eclipse
* Go to File -> New -> Project -> Java Project -> Next.
* Type in any project name and click on “Finish.”
* Select your project and go to File -> New -> Class.
* Enter **MyClass** in any class name, check the checkbox “public static void main(String[] args)”, and click on “Finish.”

**Step 3.2.2:** Writing the program in Java to demonstrate sleep() and wait()

public class MyClass

{

private static Object LOCK = new Object();

public static void main(String args[]) throws InterruptedException

{

Thread.sleep(1000);

System.out.println("Thread '" + Thread.currentThread().getName() + "' is woken after sleeping for 1 second");

synchronized (LOCK)

{

LOCK.wait(500);

System.out.println("Object '" + LOCK + "' is woken after" + " waiting for 2 seconds");

}

}

}

**Output:**

