

2. Write a program in Java to demonstrate sleep() and wait()

```
package javaFsd2;

public class sleepWaitDemo {

    private static Object o = new Object();
    public static void main(String[] args) throws InterruptedException
    {
        // TODO Auto-generated method stub

        System.out.println("Thread Going to sleep...");
        Thread.sleep(5000);
        System.out.println("Thread woke up after 5 second.");

        synchronized(o)
        {
            System.out.println("Thread will wait for notify...");
            o.wait();
        }

        System.out.println("Thread woken up after notify()
        or notifyAll() or timeout.");

    }

}
```

Output

```
Console ×
sleepWaitDemo [Java Application] C:\Users\JOTHIKA\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\j
Thread Going to sleep...
Thread woke up after 5 second.
Thread will wait for notify...
```