

EXPLORER

OPEN EDITORS

PROGRAMS JAVA

- CIE
 - Internals.java
 - main.java
 - Student.java
- SEE
 - Father.java
 - main.java
 - studentMain.java
 - ThreadsExtra1.java
 - ThreadsExtra2.java
 - TotalMarks.java

OUTLINE

NPM SCRIPTS

JAVA PROJECTS

MAVEN

Father.java ThreadsExtra1.java ThreadsExtra2.java X main.java

ThreadsExtra2.java > RandomThreadMain

44

TERMINAL PROBLEMS 19 OUTPUT DEBUG CONSOLE

1: Java Debug Console

The sum of all odd numbers between 1 to 100 is: 2500
PS G:\bin\programs java> cd 'g:\bin\programs java'; & 'c:\Users\hp\.vscode\extensions\vscjava.vscode-java-debug-0.29.0\scripts\launcher.bat' 'C:\Program Files\AdoptOpenJDK\jdk-11.0.9.11-hotspot\bin\java.exe' '-Dfile.encoding=UTF-8' '-cp' 'C:\Users\hp\AppData\Roaming\Code\User\workspaceStorage\52609d74f618f292e0a3b14e2f3022b4\redhat.java\jdt_ws\programs_java_b548dbef\bin' 'RandomThreadMain'

The Random number is: 49
The Cube of the number is: 117649
The Random number is: 2
The Square of the number is: 4
The Random number is: 84
The Square of the number is: 7056
The Random number is: 41
The Cube of the number is: 68921
The Random number is: 10
The Square of the number is: 100
The Random number is: 62
The Square of the number is: 3844
The Random number is: 16
The Square of the number is: 256
The Random number is: 27
The Cube of the number is: 19683
The Random number is: 33
The Cube of the number is: 35937
The Random number is: 12
The Square of the number is: 144
PS G:\bin\programs java>

The screenshot shows an IDE with a dark theme. On the left is the Explorer sidebar with a tree view containing 'OPEN EDITORS', 'PROGRAMS JAVA', 'CIE' (with sub-items 'Internals.java', 'main.java', 'Student.java'), 'SEE', 'Father.java' (1), 'main.java' (1), 'studentMain.java', 'ThreadsExtra1.java', 'ThreadsExtra2.java' (selected), and 'TotalMarks.java' (2). Below this are sections for 'OUTLINE', 'NPM SCRIPTS', 'JAVA PROJECTS', and 'MAVEN'. The top of the editor has tabs for 'Father.java', 'ThreadsExtra1.java', 'ThreadsExtra2.java' (active), and 'main.java'. The active file, 'ThreadsExtra2.java', is titled 'RandomThreadMain' and contains the following Java code:

```
1  import java.util.Random;
2  class ThreadsRandom implements Runnable
3  {
4      String name;
5      int type;
6      int result;
7      Thread t;
8      Random ran=new Random();
9      static int num;
10     ThreadsRandom(String thname,int typeth)
11     {
12         name=thname;
13         type=typeth;
14         t=new Thread(this,name);
15         t.start();
16     }
17
18     public void run()
19     {
20         try{
21             if(type==1)
22             {
23                 for(int i=0;i<10;i++)
24                 {
25                     num=ran.nextInt(100);
26                     System.out.println("The Random number is: "+num);
27                     Thread.sleep(1000);
28                 }
29             }
30             else if(type==2)
```

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else if(type==2)
{
    for(int i=0;i<10;i++)
    {
        if(num%2==0)
        {
            int sq;
            sq=num*num;
            System.out.println("The Square of the number is: "+sq);
        }
        Thread.sleep(1100);
    }
}
else
{
    for(int i=0;i<10;i++)
    {
        if(num%2==1)
        {
            int cube;
            cube=num*num*num;
            System.out.println("The Cube of the number is: "+cube);
        }
        Thread.sleep(1100);
    }
}
}
catch(InterruptedException ie)
{
    System.out.println("The Thread "+type+" experienced an Interrupt.");
}
```

