



FileEditSelectionViewGoRun<=>problem - 3

EXPLORER

OPEN EDITORS

PROBLEM - 3

print series

example.class

example.java

printserie.class

thread.class

OUTLINE

TIMELINE

example.java

print series > example.java > example > main(String[])

1import java.util.\*;

2

3interface printserie {

4void step();

5}

6

7class thread implements printserie {

8@Override

9public void step() {

10try {

11Thread.sleep(1100);

12} catch (InterruptedException e) {

13e.printStackTrace();

14}

15}

16}

17

18public class example {

19Run | Debug

20public static void main(String[] args) {

21Scanner sc = new Scanner(System.in);

22int n = sc.nextInt();

23sc.close();

24

25thread delayableThread = new thread();

26for (int i = 1; i <= n; i++) {

27int result;

28if (i % 2 != 0) {

29result = (int) (Math.pow(i, 2) - 1);

30} else {

31result = (int) (Math.pow(i, 2) - 2);

32}

33System.out.print(result + " ");

34

35delayableThread.step();

36}

37}

38}

39

PROBLEMS

OUTPUT

TERMINAL

Code - print series

PS C:\Users\Admin\Desktop\Multithreading\problem - 3> cd "c:\Users\Admin\Desktop\Multithreading\problem - 3\print series\" ; if (\$?) { javac example.java } ; if (\$?) { java example }  
10  
0 2 8 14 24 34 48 62 80 98  
PS C:\Users\Admin\Desktop\Multithreading\problem - 3\print series> cd "c:\Users\Admin\Desktop\Multithreading\problem - 3\print series\" ; if (\$?) { javac example.java } ; if (\$?) { java example }  
4  
0 2 8 14  
PS C:\Users\Admin\Desktop\Multithreading\problem - 3\print series>

Windows Taskbar

3:31:56 PM 6/23/2024

FileEditSelectionViewGoRun<=>Multithreading

EXPLORER

OPEN EDITORS

WELCOME

example.java problem - 4

MULTITHREADING

problem - 4

example.class

example.java

pascal.class

PascalTriangle.class

OUTLINE

TIMELINE

example.java

problem - 4 > example.java > example > printPascal(int)

1import java.util.\*;

2

3class example {

4

5    public synchronized static void printPascal(int n) {

6        for (int i = 1; i <= n; i++) {

7            for (int j = 0; j < n - i; j++) {

8                System.out.print(s:" ");

9

10            }

11            int num = 1;

12            for (int k = 1; k <= i; k++) {

13                System.out.print(num + " ");

14                num = num \* (i - k) / k;

15            }

16            System.out.println();

17

18            try {

19                Thread.sleep(millis:2000);

20            } catch (InterruptedException e) {

21                e.printStackTrace();

22            }

23        }

24    }

25

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

27        Scanner sc = new Scanner(System.in);

28        int n = sc.nextInt();

29

30        Thread thread = new Thread(() -> {

31            printPascal(n);

32        });

33

34        thread.start();

35

36        sc.close();

37    }

38}

39

Full-screen Snip

PROBLEMS

OUTPUT

TERMINAL

Code - problem - 4 + - < x

PS C:\Users\Admin\Desktop\Multithreading> cd "c:\Users\Admin\Desktop\Multithreading\problem - 4\" ; if (\$?) { javac example.java } ; if (\$?) { java example }  
5  
    1  
    1 1  
    1 2 1  
    1 3 3 1  
    1 4 6 4 1  
PS C:\Users\Admin\Desktop\Multithreading\problem - 4>

2:43:05 PM

6/23/2024