

1. Write a program to print the string is pangram or not on the screen in Java using anonymous funtion in Multithreading .Add a step method in the thread to delay its execution for 200ms.

sample Input 1:

The quick brown fox jumps over the lazy dog

sample Output 2:

Pangram

sample Input 2:

The five boxing wizards jump slowly.

sample Output 2:

Not a Pangram

2. Ravi is not able to figure out the method to calculate the sum of the Zig-Zag

pattern in the Matrix. Can you help Ravi to write a program to find the sum of

Zig-Zag patterns in a given matrix?

Note : Write a Program using Multithreading (Runnable Interface):

Input Format:

Input consists of 2 integers and 1 2D array.
Integers corresponding to the size of rows and columns.

Sample Input 1:

3
3
1 2 3
4 5 6
7 8 9

Sample Output 1:

The sum of Zig-Zag pattern is 35

Sample Input 2:

3
3
1 3 5
2 4 6
7 8 9

Sample Output 2:

The sum of Zig-Zag pattern is 37

3. Write a program to generate the following series 0,2,8,14,...,34.Using Runnable interface and Add a step method in the thread to delay its execution for 1100ms.

Sample Input 1:
10

Sample Output 1:
0 2 8 14 24 34 48 62 80 98

Sample Input 2:
4

Sample output:
0 2 8 14

4 .Write a program to print Pascal Traiangle.Usign Synchronized method in multithreading and delay its execution for 2000ms