

Program

```
import java.util.*;

class FibonacciNums implements
Runnable{
    int limit;
    FibonacciNums(Scanner read)
    {
        System.out.print("\nEnter the limit for
Fibonacci numbers: ");
        limit = read.nextInt();
    }
    synchronized public void display()
    {
        System.out.println("\nFibonacci
numbers are: ");
        for (int i = 1, j = 1, count = 1; count <=
limit; count++)
        {
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        System.out.println(i);
        j = i + j;
        i = j - i;
        j = (j - i) + i;
    }

}

@Override
public void run()
{
    display();
}

class evenNums implements Runnable
{
    int limit;
    evenNums(Scanner read)
    {
        System.out.print("\nEnter the limit for
generating even numbers: ");
        limit = read.nextInt();
    }
    synchronized public void display()
    {
        System.out.println("\nThe Even
numbers upto " + limit + " is : ");
        for (int i = 1; i <= limit; i++)
        {
            if (i % 2 == 0)
            {

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        System.out.println(i);
    }
}
}
@Override
    public void run()
    {
        display();
    }
}
public class RunnableInterface
{
    public static void main(String[] args)
    {
        Scanner read = new Scanner(System.in);
        evenNums eObj = new evenNums(read);
        FibonacciNums fObj = new
        FibonacciNums(read);
        Thread t1 = new Thread(eObj);
        Thread t2 = new Thread(fObj);
        t1.start();
        t2.start();
    }
}

```

Output:-

Enter the limit for generating even numbers:
8

Enter the limit for Fibonacci numbers: 5

Fibonacci numbers are:

1
1
2
3
5

The Even numbers upto 8 is :

2
4
6
8