**EXPERIMENT NUMBER: 17**

**AIM**

Define 2 classes: one for generating Fibonacci numbers and other for displaying even numbers in each range. Implement using threads. (Runnable Interface).

**ALGORITHM**

**PROGRAM CODE**

class FibThread implements Runnable{

public void run() {

int a,b,c;

a=0;

b=1;

c=0;

System.out.println("FibThread: "+a);

System.out.println("FibThread: "+b);

try{

for( int h = 1 ; h<=7;h++){

c = a + b ;

System.out.println("FibThread - "+c);

a = b ;

b = c ;

Thread.sleep(5000);

}

}

catch (InterruptedException e) {

System.out.println("Child interrupted.");

}

}

}

class EvenRangeThread implements Runnable{

public void run(){

int a = 2 , b = 10;

try {

for ( int k = a ; k<=b ; k+=2){

System.out.println("EvenRangeThread -"+k );

Thread.sleep(500);

}

} catch (InterruptedException e) {

System.out.println("Child interrupted.");

}

}

}

public class Fib{

public static void main(String args[] ) {

FibThread ft = new FibThread();

EvenRangeThread er = new EvenRangeThread();

Thread t1 = new Thread(ft);

Thread t2 = new Thread(er);

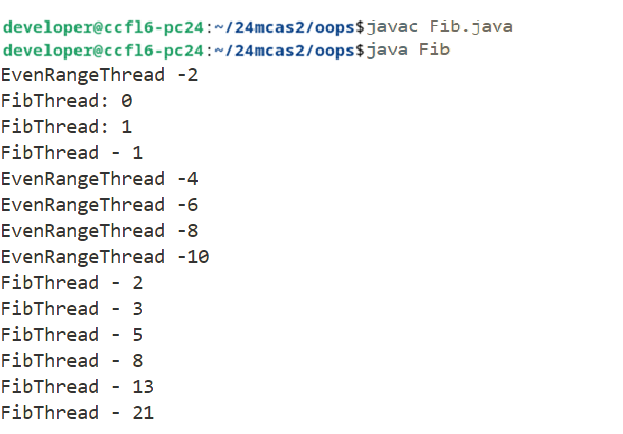
t1.start();

t2.start();

}

}

**OUTPUT**

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