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problem statement: Write a Java Program to do the following.
a) Creates three threads.
b) The first thread should print the prime numbers between 1 and 100;
c) Second thread should print prime numbers between 101 and 200; and
d) Third thread should print prime numbers between 201 and 300.
e) It is mandatory that first thread must print first, followed by second
and third threads.
f) Output should be:
   Thread-SMJ: Primes between 1 and 100
   Thread-JVV: Primes between 101 and 200
   Thread-Myself: Primes between 201 and 300
g) All threads must call the same method generatePrime () to print prime
numbers.
Termwork-5
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Theory:
class NewThread implements Runnable {
    String name;
    Thread t;
    int num1, num2;
    public synchronized void generatePrime (String name, int num1, int
num2) {
        int flag=1;
        System.out.println(name);
        System.out.println("The prime numbers between " + num1 + " and "
+ num2 + " are: ");
        for(int i = num1; i<=num2; i++) {</pre>
            flag=1;
            for(int j = 2; j <= i/2; j++)
                    if(i%j==0)
                         flag=0;
                        break;
                     }
                }
            if(flag==1) {
                System.out.println(i);
        }
 }
    NewThread(String threadname, int num1,int num2) {
       name = threadname;
    t = new Thread(this, name);
    System.out.println("New thread: " + t);
    this.num1=num1;
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this.num2=num2;
    t.start();
    try{
        t.join();
    }catch(InterruptedException e){
        e.printStackTrace();
     }
     public void run() {
           generatePrime(name, num1, num2);
}
class termwork 5 {
    public static void main(String args[]) {
    new NewThread("SMJ",1,100);
    new NewThread("JVV",101,200);
    new NewThread("Myself", 201, 300);
}
}
```